OMB No.: 2060-0605 Form 5900-521 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 ZZZZZ National Emission Standards for Hazardous Air Pollutants: Iron and Steel Foundries Area Sources - §63.10899(c) Semiannual Compliance Report Spreadsheet Template

Instructions for Spreadsheet Template

Purpose:
This spreadsheet template was designed by the U.S. EPA to facilitate Semiannual Compliance reporting for facilities subject under the 40 CFR part 63, subpart ZZZZZ National Emission S Pollutants: Iron and Steel Foundries.

Electronic reporting:
Electronic submission of Semiannual Compliance Reports through the EPA's Compliance and Emissions Data Reporting Interface (CEDRI) is required under §63.10899(c). CEDRI is accesse Data Exchange (https://cdx.epa.gov).

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single company or multiple companies, as well as multiple sites, using this EPA p Data for each company must be entered into the worksheet labeled "Company Information" in this Excel workbook. Each row in the "Company Information" worksheet includes th The Company Record No. will be used to match the information on each worksheet to the appropriate company.

For each facility record found in the "Company Information" worksheet, you may reference a single file attachment that includes additional information.

IMPORTANT: The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbook and any related attachments that were referenced in the workbo information file found in the "Company Information" worksheet).

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 would like to include an Excel file(s) as an attachment, yo 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 file containing separate Excel file(s), if applicable) into a singl

Please ensure your report includes all of the required data elements found in the listed citations below for this spreadsheet upload submission.

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

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 CEDRI with the CBI omitted and mail a complete repor claimed to be CBI, to EPA on a compact disc, flash drive, or other commonly used electronic storage media via U.S. postal service. You must mark the outside of the digital storage me electronically within the digital storage media the specific information that is claimed as CBI. Mail the media to the address in the referencing federal regulation. If no address is specif

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

Template Navigation and Tabs to Complete:
Gray Tabs: The gray tabs (complete in the following order; Company_Information, Affected_Sources, and CMS_Identification) contains mostly general information that is likely to be u report with the exception of dates and operating hours and is used in completing later tabs. After completing the gray tabs, the workbook may be saved as a site specific template for u limit subsequent data entry.

Green Tabs: Green tabs are completed as necessary for the facility. Complete in the following order: Description_of_Changes, CMS_Deviation_Detail, CMS_Deviation_Summary, Limit_ Limit_Deviation_Summary, Mercury_Switches_Scrap_Option, and Mercury_Switches tabs, as required. Some cells are linked to previous tabs or are calculations dependent upon data e CMS_Deviation_Summary and Limit_Deviation_Summary, are autocompleted based upon entries in the respective Detail tabs.

Blue Tab: The blue tab (Certification) must be completed for each report.

Within the tabs, example rows are colored light red (from row 14 up to potentially row 23), and the XML tags (row 13) are colored green. These rows are locked; no data entry is made light pink are locked and contain calculations that may not be changed. Data entry begins on row 24.

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		SITE INFORMATION	
Company Record No. (Field value will automatically generate if a value is not entered.)	Company Name (§63.10899(c)(1))	Address (§63.10899(c)(1))	Address 2
RecordId	CompanyName	AddressLine1	AddressLine2
e.g.: 1	e.g.: ABC Company	e.g.: 123 Main Street	e.g.: Suite 100

City (§63.10899(c)(1))	County	State Abbreviation (§63.10899(c)(1))	Zip Code (§63.10899(c)(1))	Responsible Agency Facility ID (State Facility Identifier)	Date of Report (§63.10899(c)(3))
CityName	CountyName	StateName	ZipCode	StateFacId	ReportDate
e.g.: Brooklyn	e.g.: Kings	e.g.: NY	e.g.: 11221	e.g.: 9145555555	e.g.: 7/15/2020

		REPORTING PERIOD		
Beginning Date of Reporting Period (§63.10899(c)(3))	Ending Date of Reporting Period (§63.10899(c)(3))	Please enter any additional information.		Enter associated file name reference.
PeriodStartDate	PeriodEndDate	AddInfo		AddFile
e.g.: 01/01/2020	e.g.: 6/30/2020			e.g.: addlinfo.zip

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Company Record No. (Select from dropdown)	Brief Description of Affected Source (§63.10899(c)(6)(i) or (c)(7)(iii))	Total Operating Hours During the Reporting Period (§63.10899(c)(6)(i) or (c)(7)(iii))
RecordId	AffectedSource_AS	TotalOperatingHours_AS
e.g.: 1	e.g. Line 1	e.g.: 4221.0

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Company Record No. (Autocompleted from Column D)	Brief Description of Affected Source (§63.10899(c)(7)(iii)) (Autocompleted from Column D)	Company Record Number and Affected Source (Select from dropdown)
RecordId	AffectedSource_Identification	RecordSource_Identification
e.g.: 1	e.g. Line 1	e.g.: 1 Line 1

Monitoring Equipment Manufacturer and Model Number (§63.10899(c)(7)(i))	Date of Last CMS Certification or Audit (§63.10899(c)(7)(ii))
Manufacturer_Identification	CMSAuditDate_Identification
e.g.: TC1792 PM Filter Bank Inlet Temperature	e.g.: 2/2/2020

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CPMS, CEM

Company Record No. (Select from dropdown)
RecordId

IS, COMS, Processes, or Control Changes

Description of any changes in continuous monitoring systems, processes, or controls since the last reporting period (§63.10899(c)(7)(iv))

CmsChangesDesc

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Company Record No. (Autocompleted from Column E)	Brief Description of Affected Source (§63.10899(c)(7)(iii)) (Autocompleted from Column E)	Monitoring Equipment Manufacturer and Model Number (§63.10899(c)(7)(i)) (Autocompleted from Column E)
RecordId	AffectedSource_CMSDetail	Manufacturer_CMSDetail
e.g.: 1	e.g. Line 1	e.g.: TC1792 PM Filter Bank Inlet Temperature

Company Record Number, Affected Source, and Brief Description of Monitoring Equipment (Select from dropdown)	Type of Deviation (§63.10899(c)(7)(v)(B)) (Select from dropdown)	Starting Date CMS Inoperable or Out of Control (§63.10899(c)(7)(v)(A))
RecordSource_CMSDetail	DeviationDescription_CMSDetail	DeviationStartDate_CMSDetail
e.g.: 1 Line 1 TC1792 PM Filter Bank Inlet Temperature	e.g.: Out-of-control	e.g.: 3/25/2020

Starting Time CMS Inoperable or Out of Control (§63.10899(c)(7)(v)(A))	Duration CMS Inoperable or Out of Control (hours) (§63.10899(c)(7)(v)(A))	Cause of Deviation (§63.10899(c)(7)(v)(C)) (Select from dropdown)
DeviationStartTime_CMSDetail	DeviationDuration_CMSDetail	DeviationCause_CMSDetail
e.g.: 15:52	e.g.: 72.00	e.g.: Monitoring System Malfunction

Corrective Action Taken (§63.10899(c)(7)(v)(C))
DeviationAction_CMSDetail
e.g.: Replaced wire harness

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Company Record No. **(Autocompleted)**	Affected Source or Equipment (§63.10899(c)(7)(iii)) (Autocompleted)
RecordId	AffectedSource_CMSSummary
e.g.: 1	e.g.: Line 1

Monitoring Equipment Manufacturer and Model Number (§63.10899(c)(7)(i)) (Autocompleted)	Total Source Operating Time (Hours) (§63.10899(c)(7)(iii)) (Autocompleted)
Manufacturer_CMSSummary	TotalOperatingTime_CMS
e.g.: TC1792 PM Filter Bank Inlet Temperature	e.g.: 6240

Total Duration of CMS Downtime (hours) (§63.10899(c)(7)(vi)) **(Calculated value)**	Total Duration of CMS Downtime as a per cent of Total Source Operating Time (§63.10899(c)(7)(vi)) **(Calculated value)**	Total Duration of CMS Downtime Due to Monitoring System Malfunctions (§63.10899(c)(7)(vi)) (Calculated value)
DowntimeDuration_CMSSummary	DowntimePercent_CMSSummary	DowntimeMonitoring_CMSSu
e.g.: 0	e.g.: N/A	e.g.: 36.2

Total Duration of CMS Downtime Due to Nonmonitoring Equipment Malfunctions (§63.10899(c)(7)(vi)) (Calculated value)	Total Duration of CMS Downtime Due to Quality Assurance/Quality Control Calibrations (§63.10899(c)(7)(vi)) (Calculated value)	Total Duration of CMS Downtime Due to Other Known Causes (§63.10899(c)(7)(vi)) (Calculated value)	Total Duration of CMS Downtime Due to Unknown Causes (§63.10899(c)(7)(vi)) (Calculated value)
DowntimeNonmonitoring_CM	DowntimeControl_CMSSumm	DowntimeOther_CMSSun	DowntimeUnknown_CMSS
e.g.: 36.2	e.g.: 0	e.g.: 0	e.g.: 0

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Company Record No. (Autocompleted from Column D)	Brief Description of Affected Source (§63.10899(c)(6)(i)) (Autocompleted from Column D)	Company Record Number and Affected Source (Select from dropdown)
RecordId	ProcessUnitDesc_LimitDetail	RecordSource_LimitDetail
e.g.: 1	e.g.: Line 1	e.g.: 1 Line 1

Emission Limitation or Work Practice Deviated From (§63.10899(c)(6)(ii)) (Select from dropdown)	Starting Date of Deviation (§63.10899(c)(6)(ii)(A))	Starting Time of Deviation (§63.10899(c)(6)(ii)(A))	Duration of Deviation (hours) (§63.10899(c)(6)(ii)(A))
DeviceDeviation_LimitDetail	DeviationStartDate_LimitDe	DeviationStartTime_LimitD	DeviationDuration_LimitDe
e.g.: ESP Voltage	e.g.: 2/12/2020	e.g.: 13:05	e.g.: 16.08

Cause of Deviation (§63.10899(c)(6)(ii)(A)) (Select from dropdown)	Corrective Action Taken (§63.10899(c)(6)(ii)(A))	Method Used to Estimate Emissions (§63.10899(c)(6)(ii)(B)) (Select from dropdown)
DeviationCause_LimitDetail	CorrectiveAction_LimitDetail	EstimationMethod_LimitDetail
e.g.: Control Equipment Problems	e.g.: Replaced wire harness	e.g.: Engineering calculations

Pollutant 1 (§63.10899(c)(6)(ii)(B)) (Select from dropdown)	Estimate of Emissions Pollutant 1 (§63.10899(c)(6)(ii)(B))	Units of Emissions Estimate Pollutant 1 (§63.10899(c)(6)(ii)(B)) (Select from dropdown)	Pollutant 2 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)	Estimate of Emissions Pollutant 2 (§63.10899(c)(6)(ii)(B)) (If necessary)
Pollutant1_LimitDetail	Pollutant1Emissions_Limit Detail	Pollutant1Units_LimitDetail	Pollutant2_LimitDetail	Pollutant2Emissions_Limit Detail
e.g.: Particulate Matter	e.g.: 0.1	e.g.: tons	e.g.: Total Metal HAP	e.g.: 0.1

Units of Emissions Estimate Pollutant 2 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)	Pollutant 3 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)	Estimate of Emissions Pollutant 3 (§63.10899(c)(6)(ii)(B)) (If necessary)	Units of Emissions Estimate Pollutant 3 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)	Pollutant 4 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)
Pollutant2Units_LimitDetail	Pollutant3_LimitDetail	Pollutant3Emissions_Limit Detail	Pollutant3Units_LimitDetail	Pollutant4_LimitDetail
e.g.: tons	e.g.: Lead	e.g.: 0.07	e.g.: tons	e.g.: Lead

Estimate of Emissions Pollutant 4 (§63.10899(c)(6)(ii)(B)) (If necessary)	Units of Emissions Estimate Pollutant 4 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)	Pollutant 5 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)	Estimate of Emissions Pollutant 5 (§63.10899(c)(6)(ii)(B)) (If necessary)	Units of Emissions Estimate Pollutant 5 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)
Pollutant4Emissions_Limit Detail	Pollutant4Units_LimitDetail	Pollutant5_LimitDetail	Pollutant5Emissions_Limit Detail	Pollutant5Unit_LimitDetail
e.g.: 0.08	e.g.: tons	e.g.: Lead	e.g.: 0.09	e.g.: tons

Pollutant 6 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)	Estimate of Emissions Pollutant 6 (§63.10899(c)(6)(ii)(B)) (If necessary)	Units of Emissions Estimate Pollutant 6 (§63.10899(c)(6)(ii)(B)) (Select from dropdown) (If necessary)
Pollutant6_LimitDetail	Pollutant6Emissions_Limit Detail	Pollutant6Unit_LimitDetail
e.g.: Lead	e.g.: 0.10	e.g.: tons

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Company Record No. **(Autocompleted)**	Affected Source **(§63.10899(c)(6)(i))** **(Autocompleted)**	Emission Limitation or Work Practice Deviated From **(§63.10899(c)(6)(ii))** **(Autocompleted)**
RecordId	AffectedSource_LimitSummary	DeviceDeviationBypass_DeviationSummary
e.g.: 1	e.g.: Line 1	e.g.: Particulate Matter

Total Source Operating Time (Hours) (§63.10899(c)(6)(i)) (Autocompleted)	Total Duration of Deviations from Emission Limitation or Work Practice (§63.10899(c)(6)(iii)) (Calculated value)	Total Duration of Deviations from Emission Limitation or Work Practice as a percent of Total Source Operating Time (§63.10899(c)(6)(iii)) (Calculated value)	Total Duration of Deviations from Emission Limitation or Work Practice Due to Startup/Shutdown (§63.10899(c)(6)(iii)) (Calculated value)	Total Duration of Deviations from Emission Limitation or Work Practice Due to Control Equipment Problems (§63.10899(c)(6)(iii)) (Calculated value)
TotalOperatingTime_Devia	TotalDeviationDuration_Dev	TotalDeviationPercent_Deviati	StartupCausedDeviation_Dev	EquipmentCausedDeviation_
e.g.: 6240	e.g.: 36.2	e.g.: 0.58%	e.g.: 36.2	e.g.: 36.2

Total Duration of Deviations from Emission Limitation or Work Practice Due to Process Problems (§63.10899(c)(6)(iii)) (Calculated value)	Total Duration of Deviations from Emission or Opacity Limits Due to Other Known Causes (§63.10899(c)(6)(iii)) (Calculated value)	Total Duration of Deviations from Emission or Opacity Limits Due to Unknown Causes (§63.10899(c)(6)(iii)) (Calculated value)
ProcessCausedDeviation_De	OtherCausedDeviation_Devi	UnknownCausedDeviation_D
e.g.: 0	e.g.: 0	e.g.: 0

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Company Record No. (Select from dropdown)	Scrap Provider, Contract, or Shipment (§63.10899(c)(8))	Option in §63.10885(b) (§63.10899(c)(8)) (Select from dropdown)
RecordId	ScrapProvider	ScrapOption
e.g.: 1	e.g.: AAA Auto Scrap	e.g.: Site Specific Mercury Plan

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This sheet only needs to be completed if the site-specific mercury plan is used as the compliance option.

Company Record No. (Select from dropdown)	Number of Mercury Switches Removed (§63.10899(c)(9)(i)) (Enter either Number (Column C) or Weight (Column D))	Weight of Mercury Recovered and Properly Managed (§63.10899(c)(9)(i)) (Enter either Number (Column C) or Weight (Column D))	Units of Weight of Mercury (§63.10899(c)(9)(i)) (Select from dropdown)	Estimate of Number of Vehicle Processed (§63.10899(c)(9)(i))	Estimate of Percent of Mercury Switches Recovered (§63.10899(c)(9)(i))
RecordId	SwitchesRemoved	MercuryWeightRemoved	MercuryUnits	VehiclesProcessed	PercentSwitchesRecovered
e.g.: 1	e.g.: 640	e.g.: 5.25	e.g.: kg	e.g.: 650	e.g.: 80.00%

I Certify That The Recovered Mercury Switches Were Recycled at RCRA-Permitted Facilities. (§63.10899(c)(9)(ii)) (Select from dropdown)	The Facility Has Conducted Periodic Inspections or Taken Other Means of Corroboration as Required Under §63.10885(b)(1)(ii)(C). (§63.10899(c)(9)(iii)) (Select from dropdown)
SwitchRecycledFlag	InspectionsFlag
e.g.: Yes	e.g.: Yes

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Company Record No. (Autocompleted)	Is the statement "There were no deviations from the emissions limitations, pollution prevention management practices, or operation and maintenance requirements during the reporting period" applicable? (§63.10899(c)(4)) (Select from Dropdown)	Is the statement "There were no periods during which a CMS was inoperable or out-of-control during the reporting period" applicable? (§63.10899(c)(5)) (Select from Dropdown)
RecordId	DeviationsFlag	CMSPeriodFlag

Revision Number	Date
1.00	6/9/2020
1.01	6/15/2021

Revisions
Initial Release Version
Removed confusing and inconsistent asterisk and required field labelling, adjusted some column widths and orientations, added PRA information and form number