

**Template Name**  
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**Last Updated Date**



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63.528(a) Summary Report (Spreadsheet Template)

63.528(a)

draft

2/2/2024

OMB Control Numbers: 2060-0290

Form 5900-702

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 W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production

### §63.528(a) Summary Report Spreadsheet Template

#### Instructions for Spreadsheet Template

##### **Purpose:**

This spreadsheet template was designed by the U.S. EPA to facilitate reporting for affected facilities subject under 40 CFR Part 63, Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-Nylon Polyamides Production.

##### **Electronic reporting:**

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

##### **Confidential Business Information:**

Do not submit confidential business information (CBI) to EPA via CEDRI. EPA will make all the information submitted through CEDRI available to you. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed to be confidential. Information submitted to CEDRI is not entitled to confidential treatment, and EPA is required to make emissions data available to the public. Thus, emissions data submitted to CEDRI is not available.

Although we do not expect persons to assert a claim of CBI, if persons wish to assert a CBI claim for some of the information in their report, they should submit the report to EPA via email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to [oaqpscbi@epa.gov](mailto:oaqpscbi@epa.gov) to the attention of the Polymers and Resins Sector Lead. If assistance is needed with submitting large electronic files, please email [oaqpscbi@epa.gov](mailto:oaqpscbi@epa.gov) to request a file transfer link. If you cannot submit your report electronically, you may submit your report through the postal service to the following address:

OAQPS Document Control Officer (C404-02)  
OAQPS, U.S. Environmental Protection Agency  
Attn: Polymers and Resins Sector Lead  
109 T.W. Alexander Drive  
P.O. Box 12055  
Research Triangle Park, North Carolina 27711



The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked procedures set forth in 40 CFR part 2.

### **Using this Template:**

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single site or multiple sites to be entered into the worksheet labeled "Company\_Information" in this Excel workbook. Each row in the "Company\_Information" No. will be used to match the information on each tab to the appropriate site.

**IMPORTANT: The final CEDRI upload file must be a single ZIP file, which must include this Excel workbook and any related additional information file found in the "Company\_Information" worksheet).**

For each site record found in the "Company\_Information" worksheet, you may reference a single file attachment that includes 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 to the master ZIP file that will be uploaded into CEDRI.

For example, the file "2019Report.zip" uploaded into CEDRI may contain 2 files:

1. Completed\_annual\_reporting\_spreadsheet\_2019.xlsx
2. Attachments.zip

The "Attachments.zip" file could contain as many attachments of any format (xlsx, xls, docx, pdf, zip, etc.) as needed. If you only have one file to attach, you do not need to zip it unless it is an Excel file (.xlsx, .xls).

### **Template Navigation and Tabs to Complete:**

The relevant regulatory citations are listed for each data element. Some data elements provide information that is not required for navigation (such as linked to conditional formatting) or may be needed for state or local reporting purposes (e.g., Responsible Party regulatory citation associated with them).

Within each worksheet, example rows are colored light orange (rows 14 through 23), and the XML tag row (row 13) is colored yellow rows.

**40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report**

The owner or operator of any affected BLR source, as well as the owner or operator of any affected WSR source that is subject to the emission limit for process vents, storage tanks, and wastewater systems and/c  
The owner or operator shall also submit as part of the excess emissions and continuous monitoring system performance report and summary report required by §63.10(e)(3) the information in §63.528(a).

Note: The Company Record No. will automatically generate if you do not enter one.

SITE INFORMATION						
Company Record No. (Field value will automatically generate if a value is not entered.)	Company Name (\$63.10(e)(3)(vi)(A))	Address (\$63.10(e)(3)(vi)(A))	Address 2	City (\$63.10(e)(3)(vi)(A))	County	State Abbreviation (\$63.10(e)(3)(vi)(A)) (Select from dropdown list)
RecordId	FacilityName	AddressLine1	AddressLine2	CityName	CountyName	StateName
e.g.: 1	e.g.: ABC Company	e.g.: 456 Broad Street	e.g.: Suite 249	e.g.: Houston	e.g.: Cook	e.g.: TX

or is subject to the dioxins and furans emission limit for process vents, shall comply with the reporting requirements of applicable paragraphs of §63.10 .

Zip Code (\$63.10(e)(3)(vi)(A))	STATE IDENTIFIER	REPORTING PERIOD		ADDITIONAL INFORMATION	
	Responsible Agency Facility ID (State Facility Identifier)	Beginning Date of Reporting Period (\$63.10(e)(3)(vi)(C))	Ending Date of Reporting Period (\$63.10(e)(3)(vi)(C))	Please enter any additional information.	Enter associated file name reference.
ZipCode	StateFacId	PeriodStartDate	PeriodEndDate	AddInfo	AddFile
e.g.: 77001	e.g.:	e.g.: 01/01/23	e.g.: 06/30/23	e.g.:	e.g.: addinfo.zip

**40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report**

Use this tab to provide the following reports, as applicable.

Note: Company Record No. selections will appear once information is entered onto the Company\_Information tab.

Company Record No. (Select from dropdown list)	Process Unit Identification	Source or Equipment	Provide the attachment name that contains the report of a process change that causes the emission rate from a de minimis emission point to become a process vent with an emission rate of one pound per year or greater. (§63.528(a)(3))	Provide the attachment name if you need to report 15-minute monitoring values of monitored parameters for all operating days or unit operations when the average values were outside of range. (§63.528(a)(1))
RecordId	AddProcessId	AddSourceId	AddVentFile	AddParamaterFile
e.g.: 1	e.g.: ABC Process	e.g.: Vent AB	e.g.: vent.pdf	e.g.:

**40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report**

Use this tab to provide information on each CMS subject to the requirements of part 63, subpart W. The information on this tab will be used to populate the other CMS tabs.

Note: Company Record No. selections will appear once information is entered onto the Company\_Information tab.

Company Record No. (Select from dropdown)	Identification of Source/Process Unit or Description (§63.528(a)(2), §63.528(a)(4), §63.10(e)(3)(vi)(D))	Total Source Operating Time (hours) (§63.10(e)(3)(vi)(H))	Monitoring Equipment Manufacturer (§63.10(e)(3)(vi)(F))	Monitoring Equipment Model Number (§63.10(e)(3)(vi)(F))	Identification of Pollutant or Parameter Monitored (§63.528(a)(2), §63.10(e)(3)(vi)(B))
RecordId	ProcessUnitDesc	TotalOperatingTime	EquipmentMfr	EquipmentModelNo	CMSParameter
e.g.: 1	e.g.: Unit 1 Scrubber A	e.g.: 2000	e.g.: Flowmor	e.g.: EN-X	e.g.: flow rate



Emission/Operating Parameter Limit (§63.10(e)(3)(vi)(E))	Date of Last CMS Certification or Audit (§63.10(e)(3)(vi)(G))	Description of any changes to CMS, processes, or controls since the last reporting period (§63.10(e)(3)(vi)(K))	Were there excess emissions or exceedances of this pollutant/parameter? (§63.10(e)(3)(v)) (Select from dropdown)	Has the CMS been inoperative, repaired, or adjusted? (§63.10(e)(3)(v)) (Select from dropdown)
ParameterLimit	CMSAuditDate	CMSChangesDesc	ExcessFlag	InoperativeFlag
e.g.: 75 gpm	e.g.: 12/18/23	e.g.: None	e.g.: yes	e.g.: yes

**40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report**

Use this tab to provide information on periods when monitoring data is not collected and leads to an excursions caused by insufficient monitoring data.

*Note: Company Record No. selections will appear once information is entered onto the Company\_Information tab. Continuous Monitoring System selections appear once information is entered onto the CM*

Company Record No. (Select from dropdown)	Continuous Monitoring System (§63.528(a)(2), §63.528(a)(4), §63.10(e)(3)(vi)(F)) (Select from dropdown)	Start Date (§63.528(a)(2), §63.528(a)(4))	Starting Time (§63.528(a)(2), §63.528(a)(4))	Duration CMS Inoperative (hours) (§63.528(a)(2), §63.528(a)(4))	Regulated Pollutant Emitted Over Any Emission Limit (§63.528(a)(4))
RecordId	CMSDescription	CMSOutageStartDate	CMSOutageStartTime	CMSOutageDuration	CMSOutagePollutant
e.g.: 1	e.g.: Unit 1 Scrubber A Flowmor EN-X S flow rate	e.g.: 03/2/20	e.g.: 1:52 PM	e.g.: 72.0	e.g.:

1S\_ Identification tab.

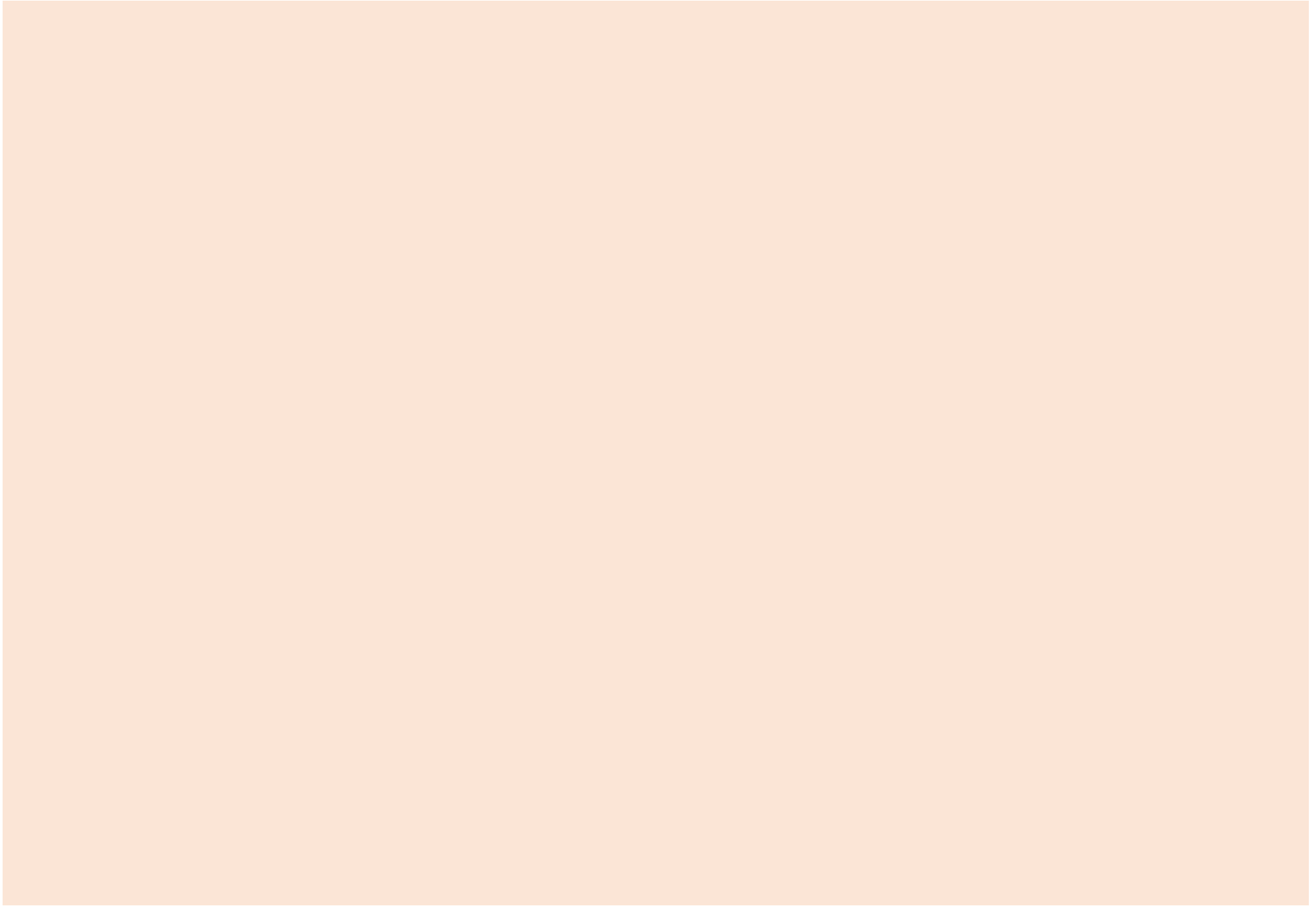
Estimate of the Quantity of Pollutant Emitted over Emission Limit (pounds) (§63.528(a)(4))	Description of Method Used to Estimate Emissions (§63.528(a)(4))	Cause (§63.528(a)(4), §63.10(e)(3)(vi)(J)) (Select from dropdown)	Corrective Action Taken (§63.528(a)(4))
CMSOutageEstimate	CMSOutageMethod	CMSOutageCause	CMSOutageActions
e.g.:	e.g.:	e.g.: Monitoring equipment malfunction	e.g.: replaced flowmeter

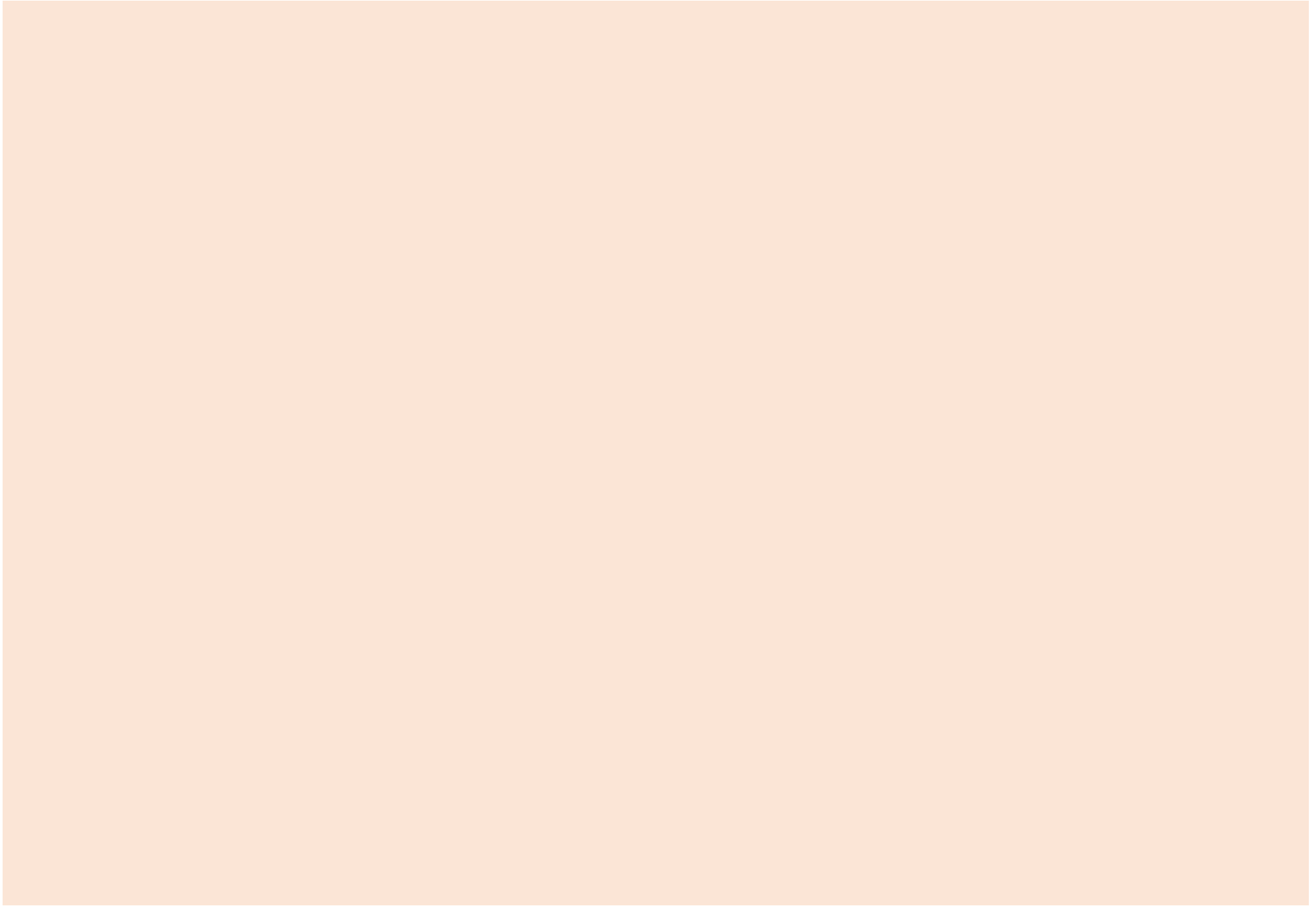
40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report

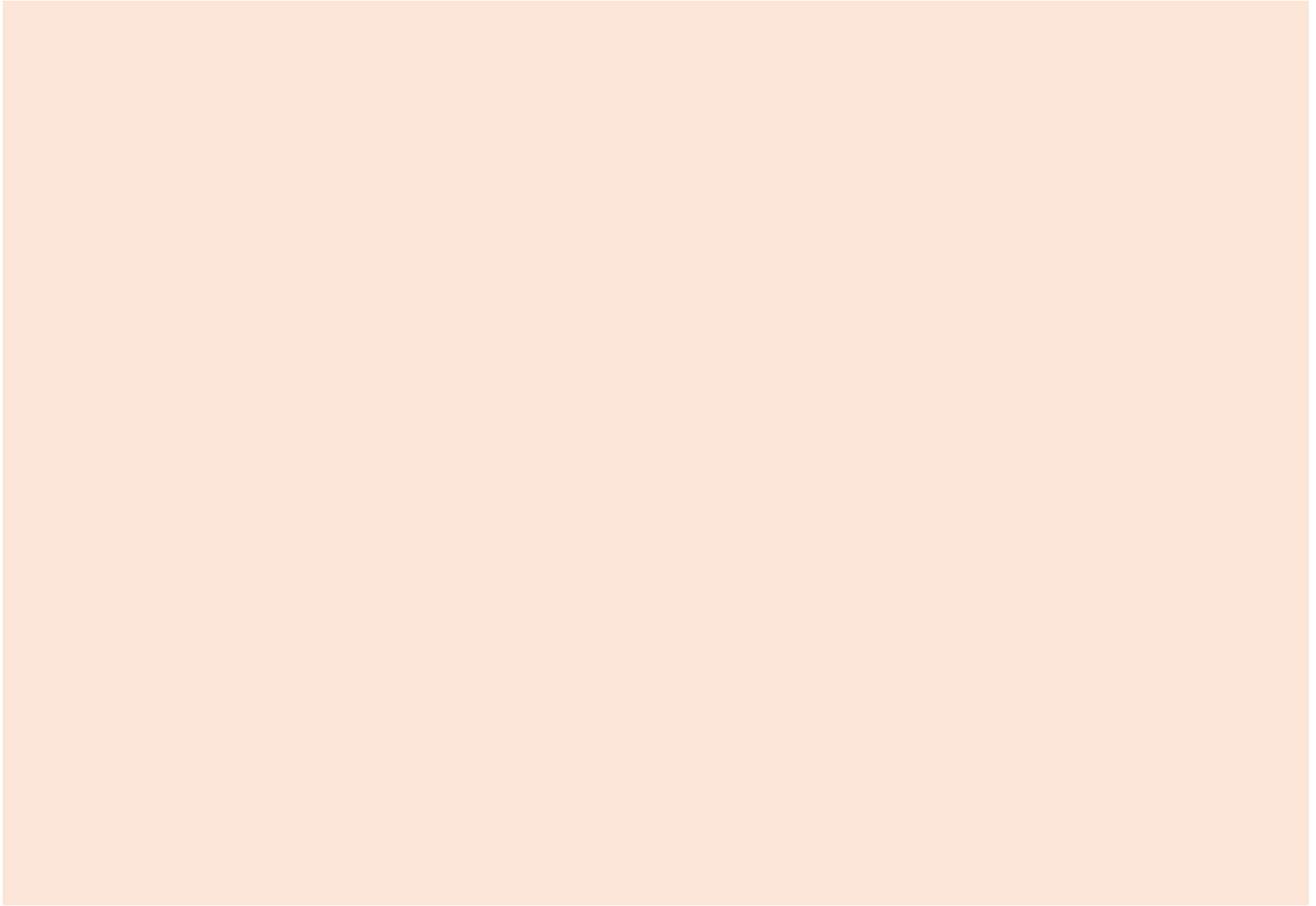
This tab provides the total CMS downtime during the reporting period that is required in the Summary Report.

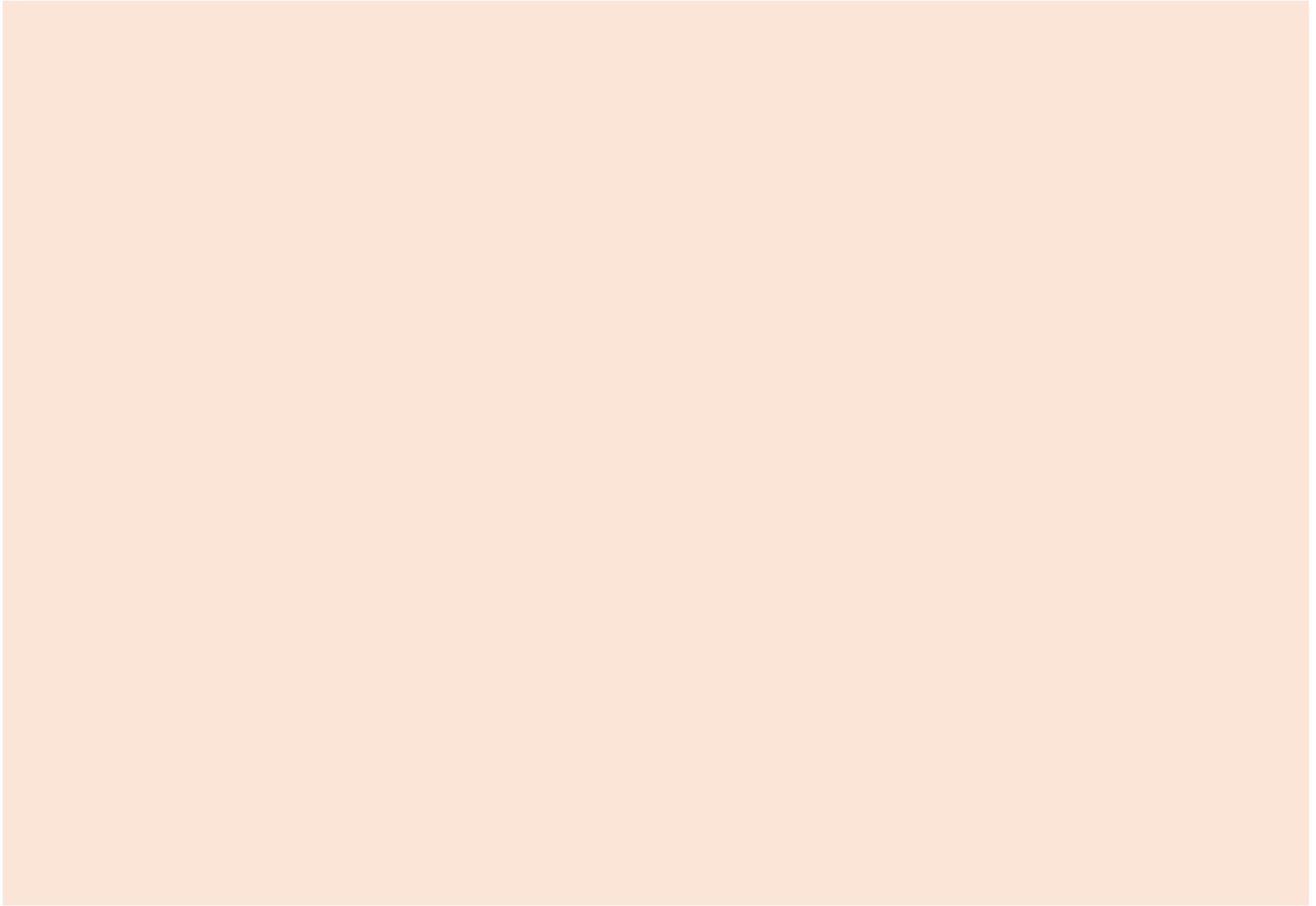
Note: The information on this tab will autofill based on the information entered onto the CMS\_Identification and CMS\_Downtime tabs.

Company Record No. (Autofilled)	Continuous Monitoring System (§63.10(e)(3)(vi)(F)) (Autofilled)	Total Source Operating Time (hours) (§63.10(e)(3)(vi)(H)) (Autofilled)	Total Duration of CMS Downtime (hours) (§63.10(e)(3)(vi)(J)) (Calculated value)	Total Duration of CMS Downtime as a Percent of Total Operating Time (§63.10(e)(3)(vi)(J)) (Calculated value)	Total Duration of CMS Downtime Due to Monitoring Equipment Malfunctions (hours) (§63.10(e)(3)(vi)(J)) (Calculated value)	Total Duration of CMS Downtime Due to Nonmonitoring Equipment Malfunctions (hours) (§63.10(e)(3)(vi)(J)) (Calculated value)	Total Duration of CMS Downtime Due to Quality Assurance/Quality Control Calibrations (hours) (§63.10(e)(3)(vi)(J)) (Calculated value)	Total Duration of CMS Downtime Due to Other Known Causes (hours) (§63.10(e)(3)(vi)(J)) (Calculated value)	Total Duration of CMS Downtime Due to Other Unknown Causes (hours) (§63.10(e)(3)(vi)(J)) (Calculated value)
RecordId	CMSDescription	TotalOperatingTime	CMSDowntimeDuration	CMSDowntimePercent	CMSDowntimeMonito	CMSDowntimeNonmo	CMSDowntimeQuality	CMSDowntimeOtherK	CMSDowntimeUnknow
e.g.: 1	e.g.: Unit 1 Scrubber A Flowmor EN-X S flow rate	e.g.: 4300	e.g.: 72	e.g.: 1.67%	e.g.: 72	e.g.: 0	e.g.: 0	e.g.: 0	e.g.: 0





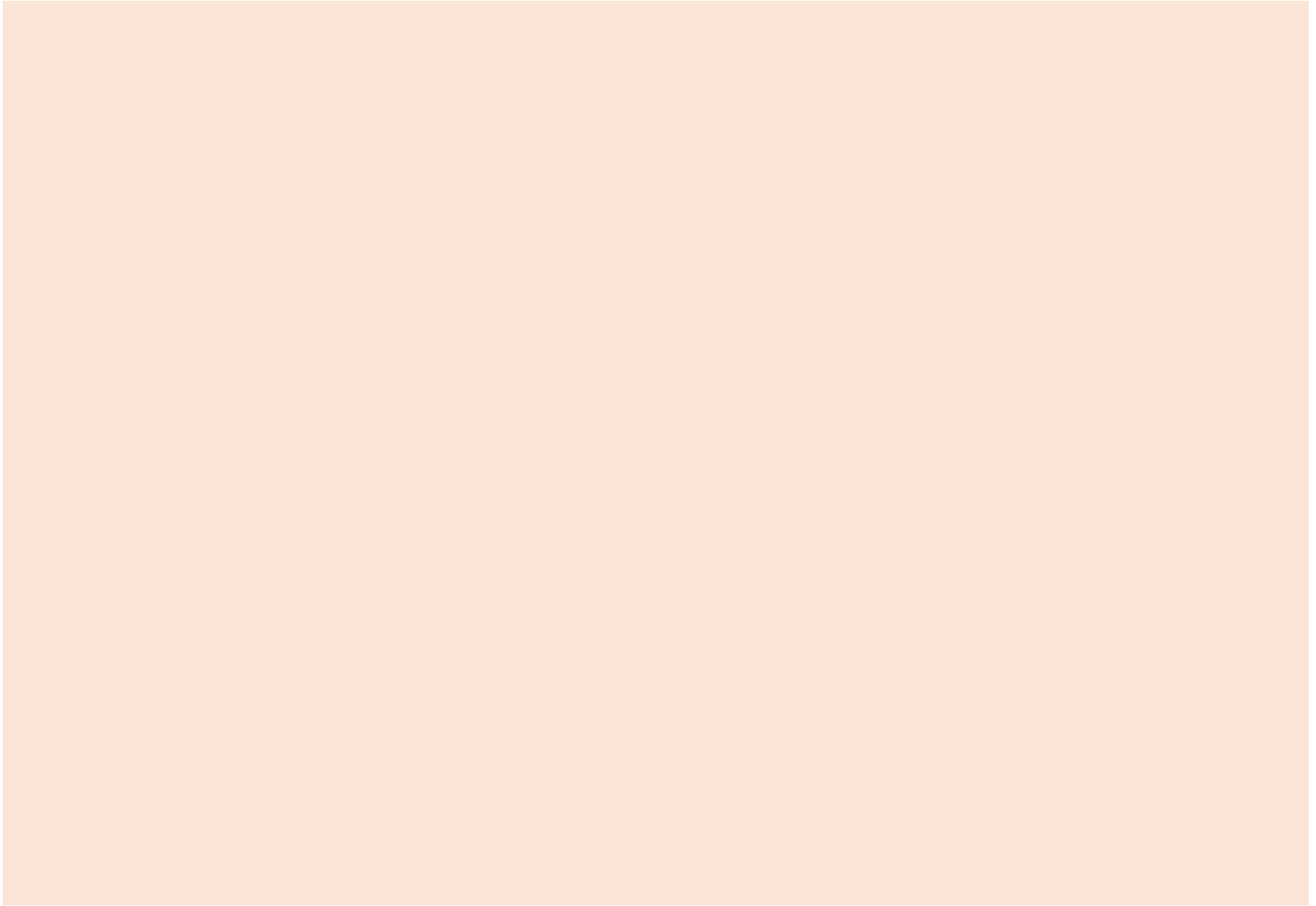


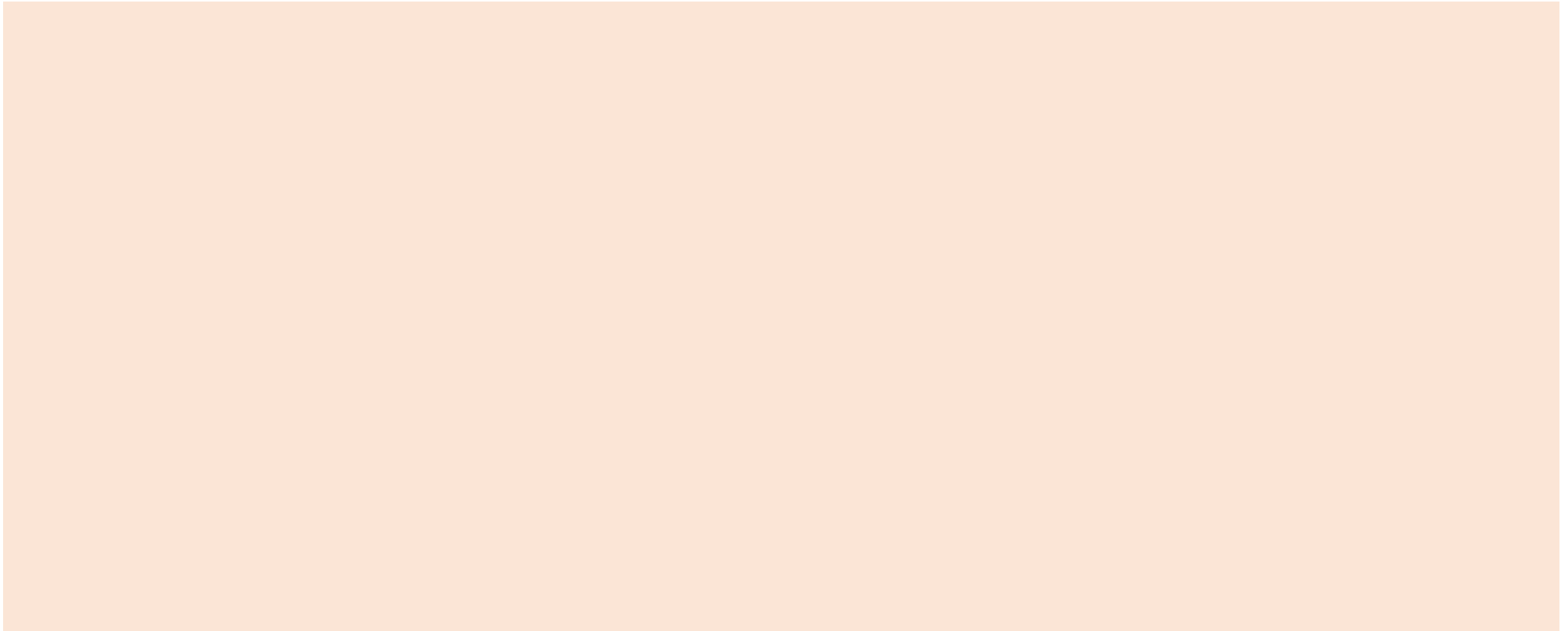












**40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report**

Use this worksheet to report information on excursions for all operating days or unit operations when the average values were outside the ranges established in the Notification of Compliance Statu

*Note: Company Record No. selections will appear once information is entered onto the Company\_Information tab. Continuous Monitoring System selections appear once information is entered onto t*

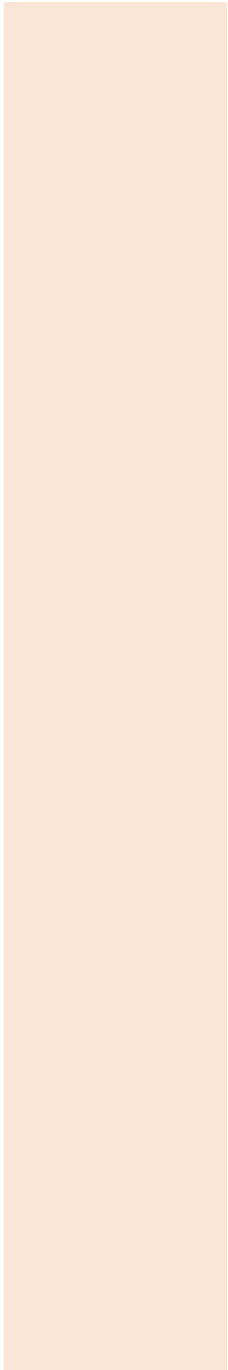
Company Record No. (Select from dropdown list)	Continuous Monitoring System (\$63.528(a)(4), §63.10(e)(3)(vi)(F)) (Select from dropdown list)	Did the deviation occur during a period of startup, shutdown, or malfunction? (\$63.10(e)(3)(v), §63.10(c)(7)-(8)) (Select from dropdown)	Start Date of Excursion (\$63.528(a)(4), §63.10(e)(3)(v), §63.10(c)(7)-(8))	Start Time of Excursion (\$63.528(a)(4), §63.10(e)(3)(v), §63.10(c)(7)-(8))	End Date of Excursion (\$63.10(e)(3)(v), §63.10(c)(7)-(8))	End Time of Excursion (\$63.10(e)(3)(v), §63.10(c)(7)-(8))
RecordId	CMSDescription	MalfunctionFlag	ParameterExcessStartDa	ParameterExcessStartTi	ParameterExcessEndDat	ParameterExcessEndTim
e.g.: 1	e.g.: Unit 1 Scrubber A Flowmor EN-X S flow rate	e.g.: no	e.g.: 01/24/24	e.g.: 2:00 PM	e.g.: 01/24/24	e.g.: 4:00 PM

s or operating permit.

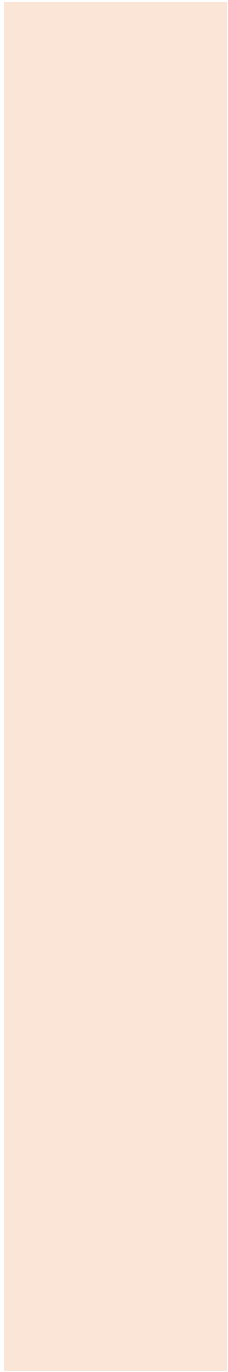
he CMS\_ Identification tab.

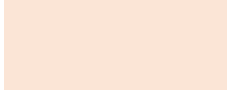
Duration of Excursion (hours) (§63.528(a)(4))	Daily Average Value or Per- Unit Operation Average Value of Monitored Parameter (§63.528(a)(1))	Units of Measure for Monitored Parameter (§63.528(a)(1))	Cause of the Excursion (including unknown cause, if applicable) (§63.528(a)(4))	Type of Deviation (§63.10(e)(3)(v), §63.10(e)(3)(vi)(I)) (Select from dropdown)
ParameterExcessDuration	DeviationValue	DeviationValueUnits	ExceedanceCause	DeviationType
e.g.: 2	e.g.: 60	e.g.: gpm	e.g.:	e.g.: Process Problems

Regulated Pollutant Emitted Over Any Emission Limit (§63.528(a)(4))	Estimate of the Quantity of Pollutant Emitted over Emission Limit (pounds) (§63.528(a)(4))	Description of the Method Used to Estimate the Emissions (§63.528(a)(4))	Corrective Action Taken (§63.528(a)(4))
DeviationPollutant	DeviationEstimate	DeviationMethod	CMSDeviationActions
e.g.: epichlorohydrin	e.g.: 100	e.g.:	e.g.:







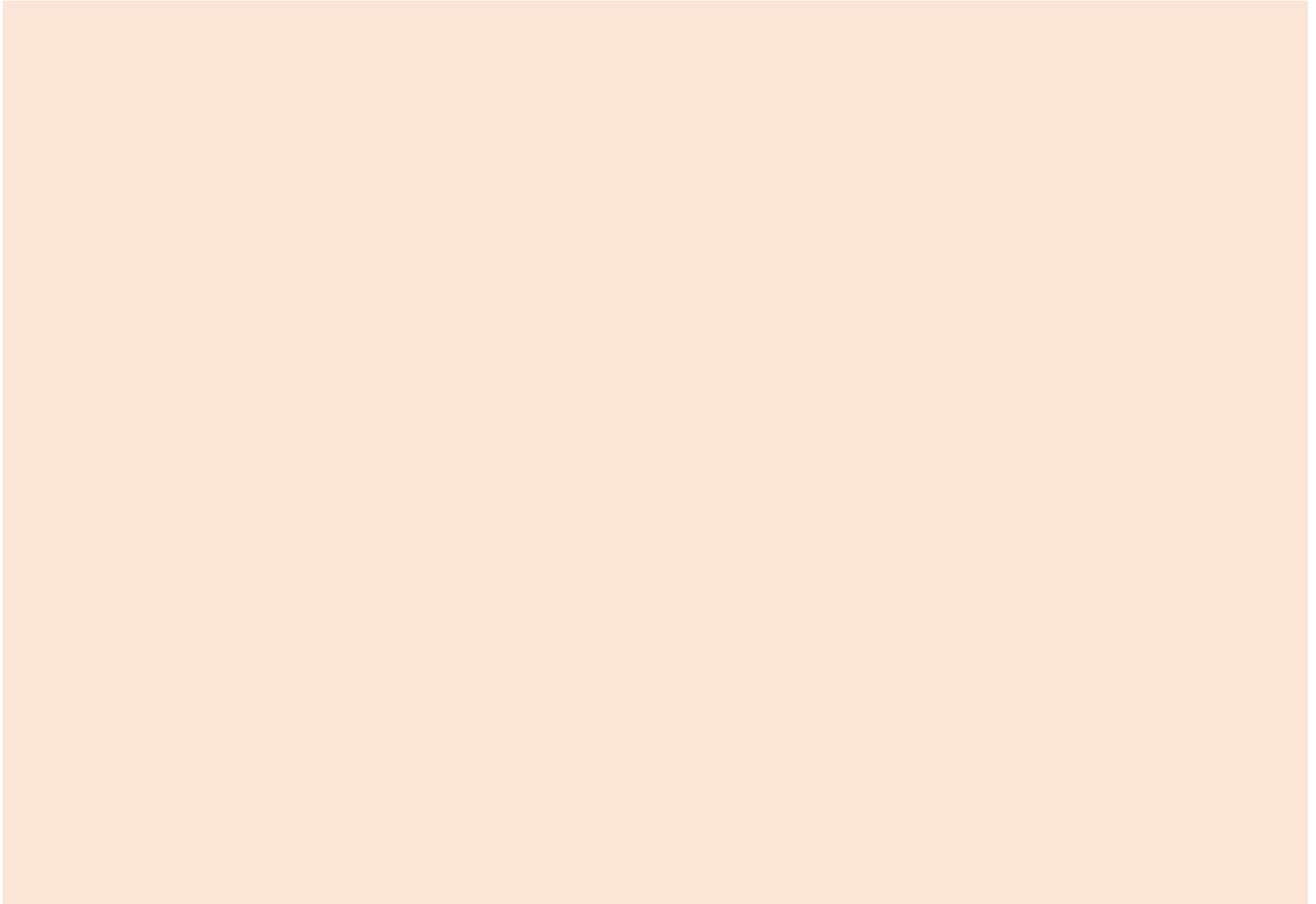


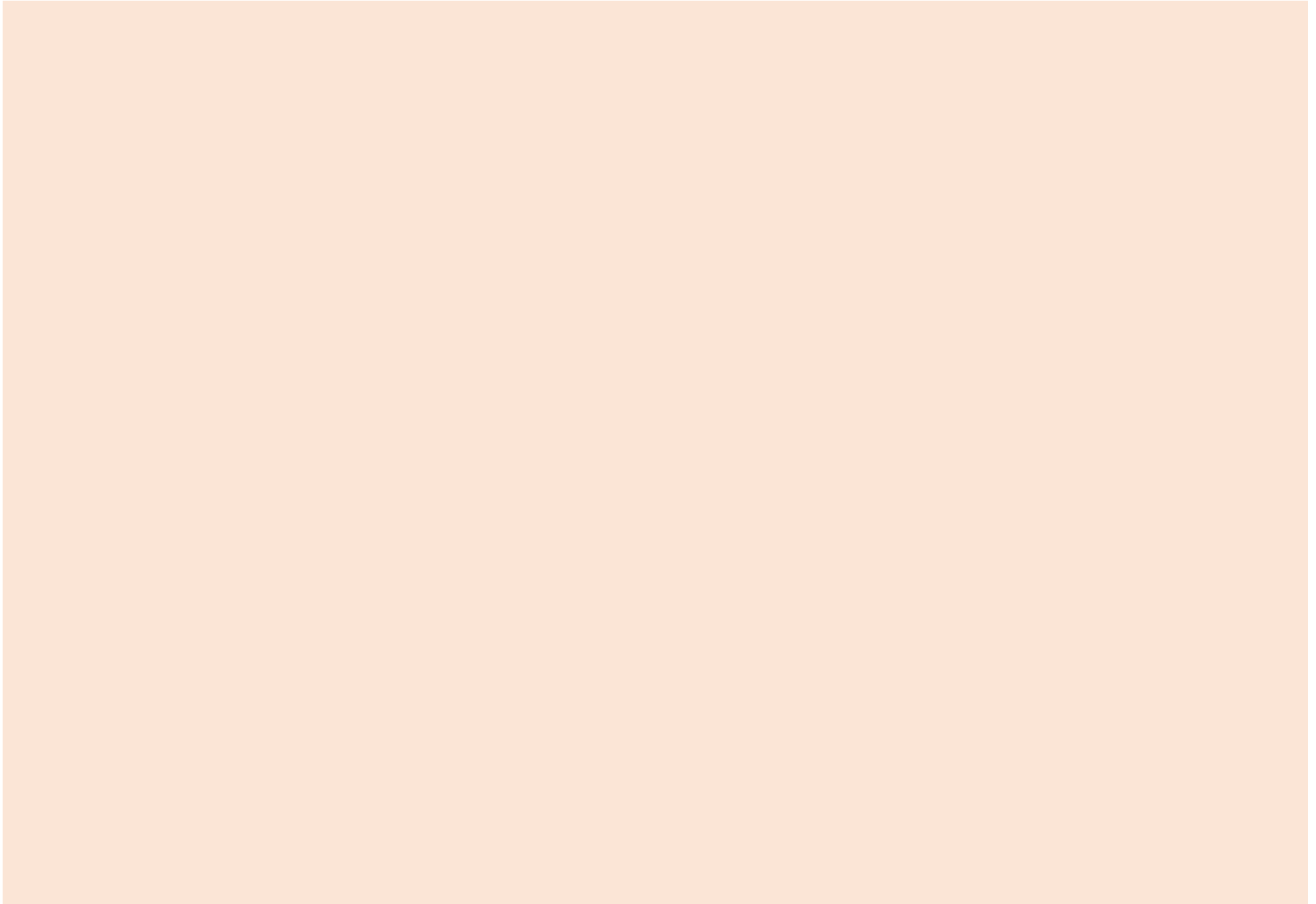
40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report

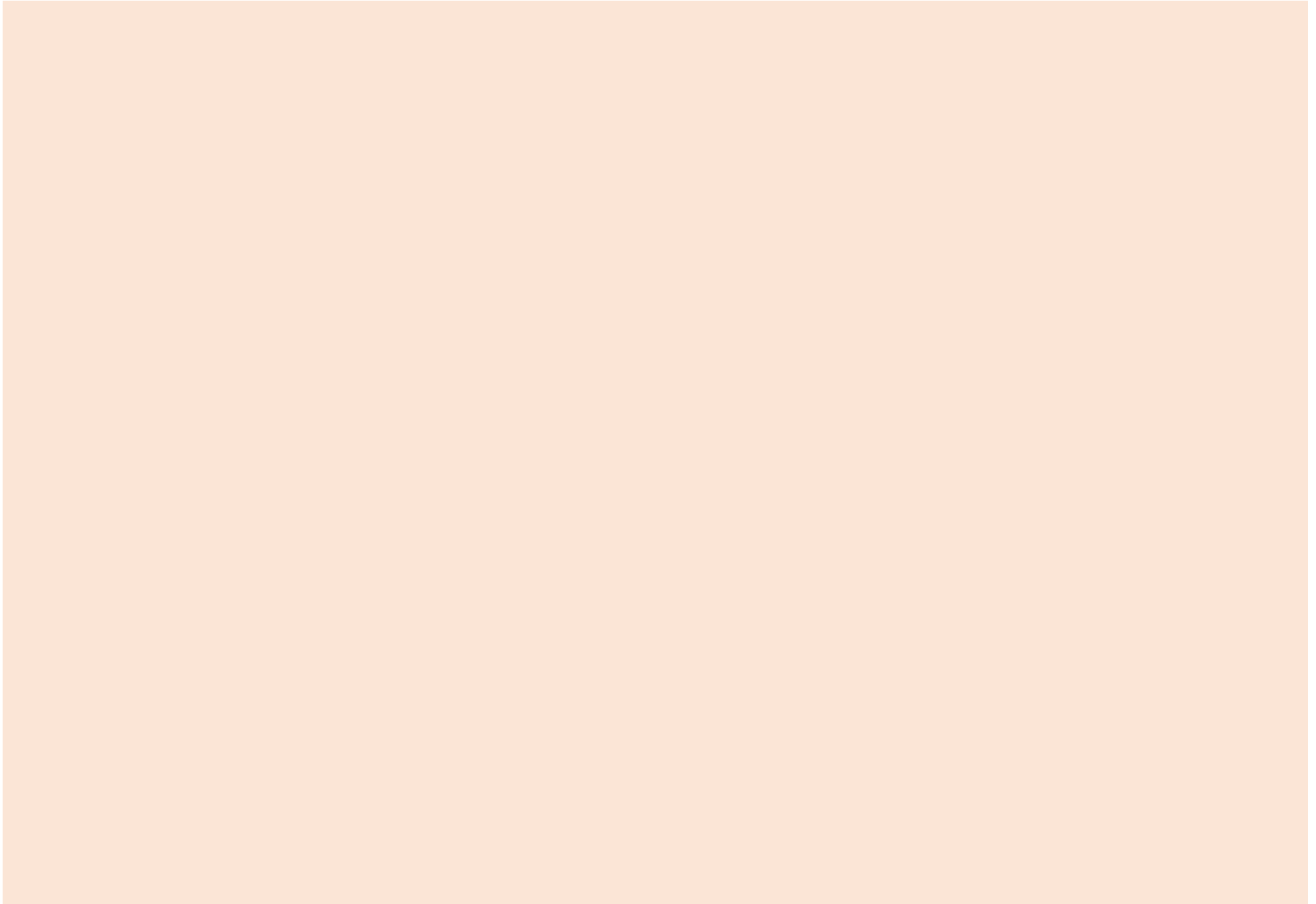
This tab provides the emissions data summary during the reporting period that is required in the Summary Report.

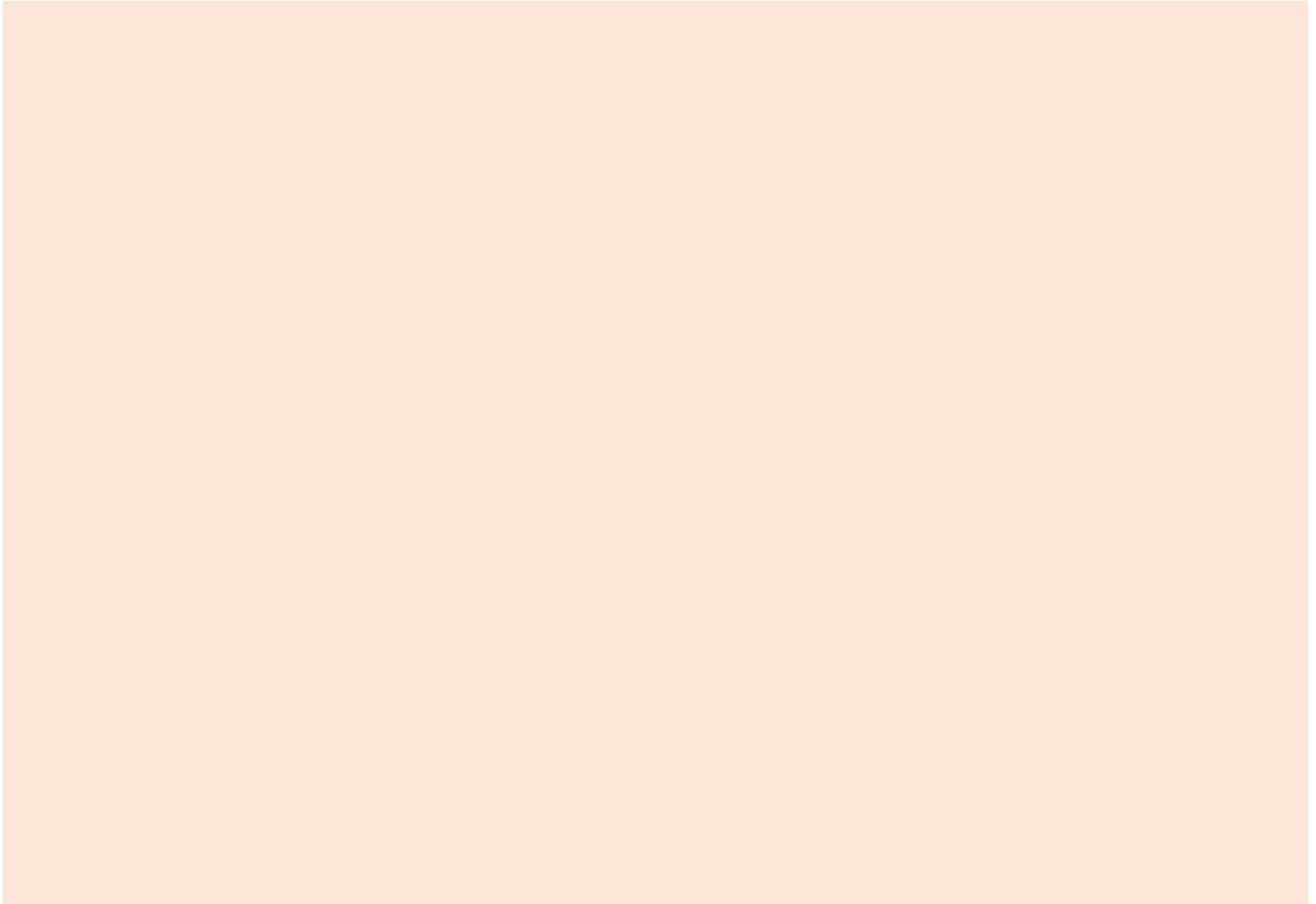
Note: The information on this tab will autofill based on the information entered onto the CMS\_Identification and CMS\_Deviation tabs.

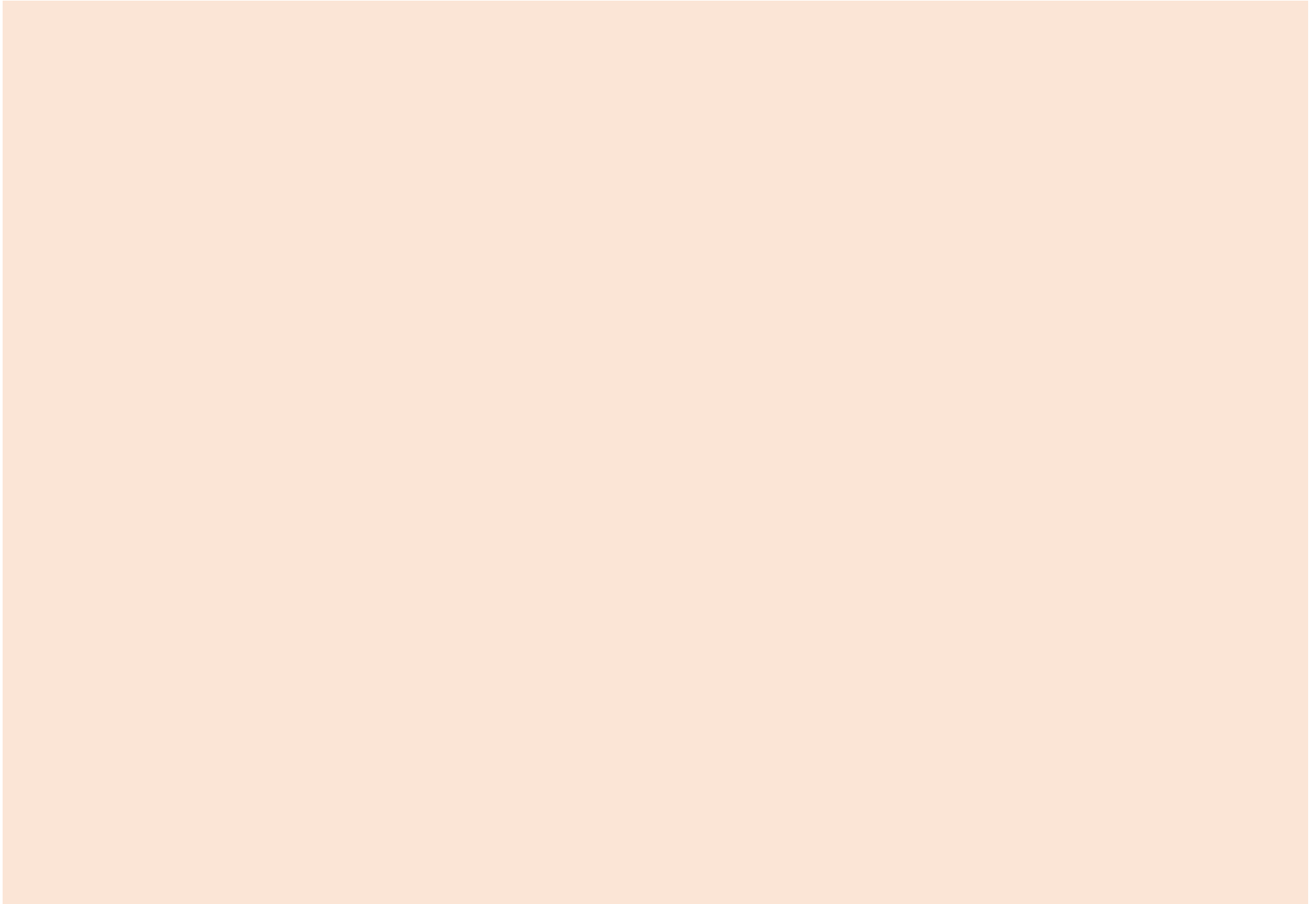
Company Record No. (Autofilled)	Continuous Monitoring System (§63.10(e)(3)(vi)(F)) (Autofilled)	Total Source Operating Time (hours) (§63.10(e)(3)(vi)(H)) (Autofilled)	Total Duration of Deviations (hours) (§63.10(e)(3)(vi)(I)) (Calculated value)	Total Duration of Deviations as a Percent of Total Operating Time (§63.10(e)(3)(vi)(I)) (Calculated value)	Total Duration of Deviations Due to Control Equipment Problems (hours) (§63.10(e)(3)(vi)(II)) (Calculated value)	Total Duration of Deviations Due to Process Problems (hours) (§63.10(e)(3)(vi)(II)) (Calculated value)	Total Duration of Deviations Due to Other Known Causes (hours) (§63.10(e)(3)(vi)(II)) (Calculated value)	Total Duration of Deviations Due to Other Unknown Causes (hours) (§63.10(e)(3)(vi)(II)) (Calculated value)
RecordId	CMSDescription	TotalOperatingTime	EmissionsDeviationDur	EmissionsDeviationPer	EmissionsDeviationEqu	EmissionsDeviationPro	EmissionsDeviationOth	EmissionsDeviationUn
e.g.: 1	e.g.: Unit 1 Scrubber A Flowmor EN-X S flow rate	e.g.: 4300	e.g.: 40	e.g.: 0.93%	e.g.: 19	e.g.: 3	e.g.: 0	e.g.: 0



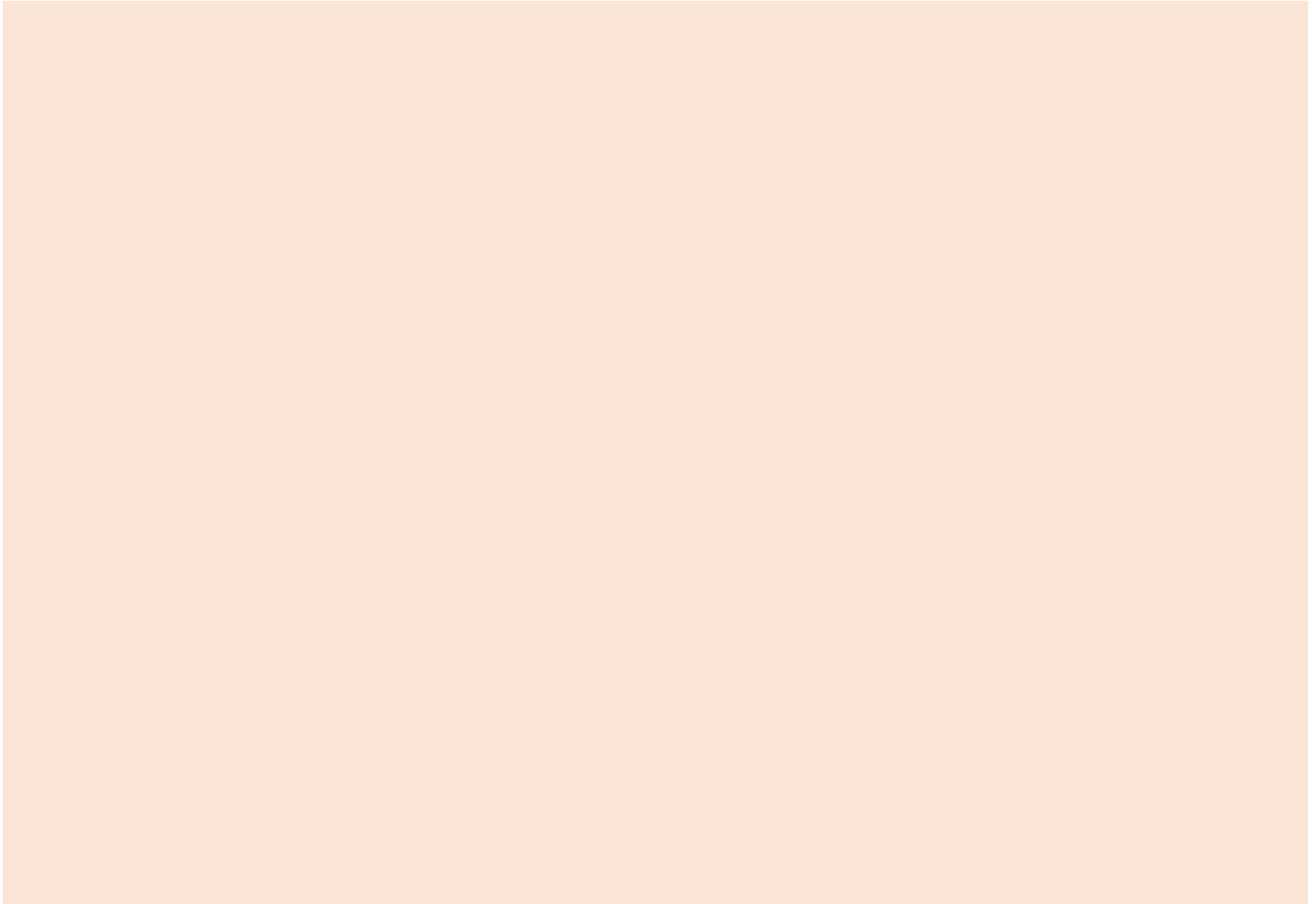


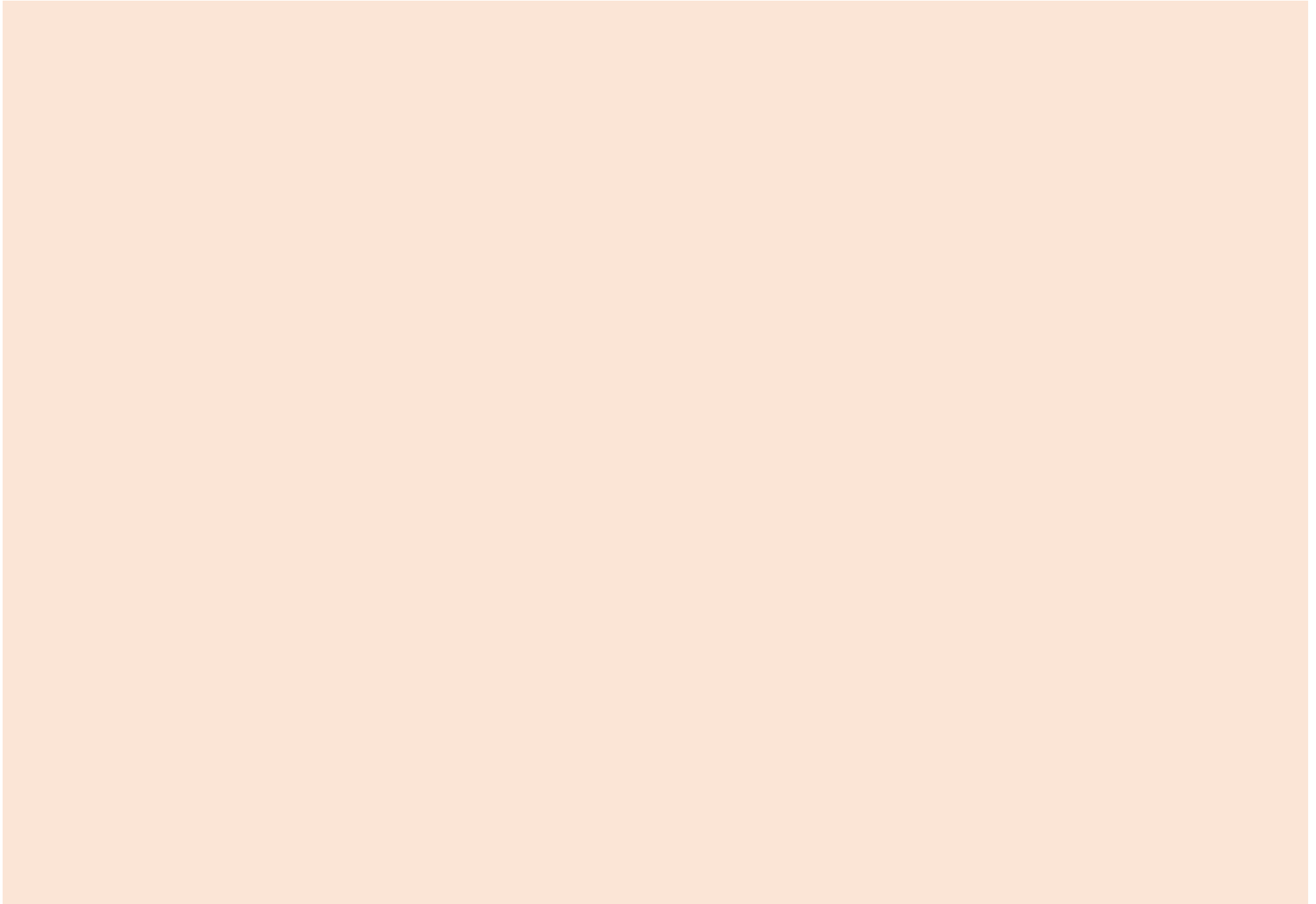




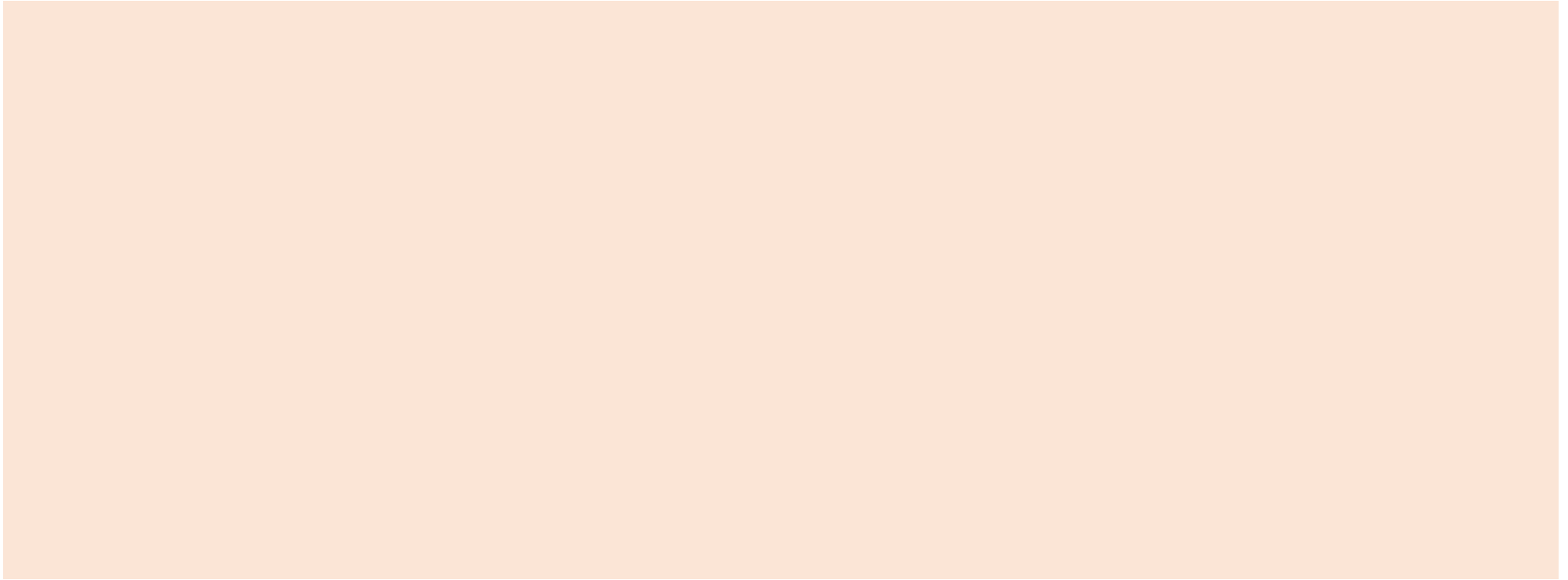












**40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report**

For heat exchange systems subject to §63.104, the owner or operator shall submit the information specified in §63.104(f)(2) as part of the Periodic Report. §63.104(f)(2):For each heat exchange system subject to §63.104(g) or (l), the following information must be submitted in each semiannual periodic report.

*Note: Company Record No. selections will appear once information is entered onto the Company\_Information tab.*

<b>Company Record No.</b> (Select from dropdown list)	<b>Process Unit Identification</b>	Number of heat exchange systems at the plant site subject to the monitoring requirements in §63.104(g) or (l) during the reporting period. (§63.528(a)(6), §63.104(f)(2)(vi)(A))	Number of heat exchange systems subject to the monitoring requirements in §63.104(g) or (l) at the plant site found to be leaking during the reporting period. (§63.528(a)(6), §63.104(f)(2)(vi)(B))
RecordId	HeatProcessId	HeatSubjectNo	HeatLeakNo
e.g.: 1	e.g.: ABC Process Unit	e.g.: 3	e.g.: 1

**40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report**

For heat exchange systems subject to §63.104, the owner or operator shall submit the information specified in §63.104(f)(2) as part of the Summary Report required by §63.528(a).

If an owner or operator invokes the delay of repair provisions for a heat exchange system, the following information shall be submitted in the next semi-annual periodic report. If the leak remains unrepaired, the information shall also be submitted in each subsequent periodic report.

*Note: Company Record No. selections will appear once information is entered onto the Company Information tab.*

Fill out applicable column

Company Record No. (Select from dropdown list)	Process Unit Identification	Monitoring Location/Heat Exchange System Identification (§63.528(a)(6), §63.104(f)(2)(i), §63.104(f)(2)(vi)(C))	Measured Total Strippable Hydrocarbon Concentration	Total Hydrocarbon Mass Emissions Rate	Measured Concentration of Monitored Substance(s)	Date Leak Detected	Date the Source of the Leak was Identified	Was repair delayed?	Date Delay of Repair Began	Has the leak been repaired?
			(ppmv as methane) (§63.528(a)(6), §63.104(f)(2)(vi)(C))	(kg/hr as methane) (§63.528(a)(6), §63.104(f)(2)(vi)(C))	(ppmv) (§63.528(a)(6), §63.104(f)(2)(vi)(C))	(§63.528(a)(6), §63.104(f)(2)(i), §63.104(f)(2)(vi)(C))	(§63.528(a)(6), §63.104(f)(2)(i), §63.104(f)(2)(vi)(E)) (Select from dropdown list)	(§63.528(a)(6), §63.104(f)(2)(vi)(E))	(§63.528(a)(6), §63.104(f)(2)(vi)(E)) (Select from dropdown list)	
RecordId	HeatProcessId	HeatExchangerId	HeatHcLeakConc	HeatLeakMass	HeatCompLeakConc	HeatLeakDate	HeatLeakSourceDate	HearRepairDelayFlag	HeatDelayStartDate	HeatLeakRepairFlag
e.g.: 1	e.g.: ABC Process Unit	e.g.: Exchanger 123	e.g.: 15	e.g.:	e.g.:	e.g.: 10/10/24	e.g.: 10/11/24	e.g.: no	e.g.:	e.g.: yes

ort, until repair of the leak is reported. In addition, if an owner or operator is complying with paragraph (g) or (l) of this section, then the semi-annual periodic report must include the information specified in §63.104(f)(2)(vi).

Successful Repair Remonitor - Fill out applicable column						Delay of Repair Only		
Date Leak Successfully Repaired (Remonitoring Date) (§63.528(a)(6), §63.104(f)(2)(v), §63.104(f)(2)(vi)(D), §63.104(f)(2)(vi)(E))	Measured Total Strippable Hydrocarbon Concentration (ppmv as methane) (§63.528(a)(6), §63.104(f)(2)(vi)(D), §63.104(f)(2)(vi)(E))	Total Hydrocarbon Mass Emissions Rate (kg/hr as methane) (§63.528(a)(6), §63.104(f)(2)(vi)(D), §63.104(f)(2)(vi)(E))	Measured Concentration of Monitored Substance(s) (ppmv) (§63.528(a)(6), §63.104(f)(2)(vi)(D), §63.104(f)(2)(vi)(E))	If not repaired, what is the expected date of repair? (§63.528(a)(6), §63.104(f)(2)(iv), §63.104(f)(2)(vi)(E))	Reason(s) for Delay of Repair (§63.528(a)(6), §63.104(f)(2)(iii))	Estimate of the Potential Total Hydrocarbon Emissions or Monitored Substance(s) Emissions over the Reporting Period Associated with the Delayed Repair (pounds) (§63.528(a)(6), §63.104(f)(2)(vi)(E))	If delay of repair is invoked due to the reasons described in §63.104(e)(2), provide the attachment name that contains the documentation of emissions estimates. (§63.528(a)(6), §63.104(f)(2)(iii))	If there were additional monitoring events between the initial leak determination and successful repair remonitoring, provide the attachment name that contains the results and date of each additional monitoring event. (§63.528(a)(6), §63.104(f)(2)(vi)(E))
HeatLeakRepairDate	HeatHcRepairConc	HeatRepairMass	HeatCompRepairConc	HeatDateExpected	HeatDelayReason	HeatHcEstimate	HeatEmissionFile	HeatAddMonitoringFile
e.g.: 10/12/24	e.g.: 1	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:	e.g.:

**40 CFR Part 63, Subpart W: NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production; §63.528(a) Summary Report**

For pressure relief device subject to § 63.527(f), report each pressure release to the atmosphere, including pressure relief device identification name or number, the start date, start time, and duration (in minutes) of the pressure release, and an estimate of the mass quantity in pounds of each organic HAP released.

*Note: Company Record No. selections will appear once information is entered onto the Company\_Information tab.*

Company Record No. (Select from dropdown list)	Process Unit Identification	Pressure Relief Device Identification Name or Number (\$63.528(e)(5))	Start Date of Pressure Release (\$63.528(e)(5))	Start Time of Pressure Release (\$63.528(e)(5))	Duration of Pressure Release (minutes) (\$63.528(e)(5))	Organic HAP Released (\$63.528(e)(5))	Estimate of Mass Quantity (pounds) (\$63.528(e)(5))
RecordId	PrdProcessId	PrdId	PrdStartDate	PrdStartTime	PrdDuration	PrdHap	PrdHapMass
e.g.: 1	e.g.: ABC Process Unit	e.g.: PRD ABC-123	e.g.: 03/31/24	e.g.: 1:30 PM	e.g.: 10	e.g.: epichlorohydrin	e.g.: 15



Revision Number	Date
1.00	

Description
Finalized Release Version