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60.5420a(b) Annual Report (Spreadsheet Template)

60.5420a(b)

draft

9/26/2023

OMB Control Number: 2060-0721
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40 CFR Part 60, Subpart OOOOa Standards of Performance for Crude Oil and Natural Gas Fac
Reconstruction Commenced After September 18, 2015, and on or before December 6, 2022 - §6

Instructions for Spreadsheet Template

Purpose:
This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities subject under 4
Standard for Crude Oil and Natural Gas Facilities Constructed, Modified, or Reconstructed after September 18, 2015, and on o

Electronic reporting:
Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDRI) is required unde
sweetening units is required to be reported in the annual report under §60.5423a(b). CEDRI is accessed through the EPA's Cer

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

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 v
including any information claimed to be CBI, to EPA on a compact disc, flash drive, or other commonly used electronic storage
digital storage media as CBI and then identify electronically within the digital storage media the specific information that is cla

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

**The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single facility or multiple f
workbook. Data for each site must be entered into the worksheet labeled "Site Information" in this Excel workbook. Each r
single site. The Site Record 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 a additional information file found in the "Site Information" worksheet).

For each site record found in the "Site Information" worksheet, you may reference a single file attachment that includes addit 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 attachm 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 worksheet titled "General Info" contains a list of questions about the information you will be reporting. You are not requi remaining tabs easier. Selecting "No" in the list of questions will hide the tabs associated with worksheets that are not relevar you will be reporting for affected pneumatic controllers, the "Controllers" worksheet will be hidden from that point forward, u

Within some of the worksheets, there are questions which are linked to conditional formatting. Depending on your answer to those data fields are no longer relevant based on your answer.

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

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, and on or before December 6, 2022 - §60.5420a(b) Annu
For each affected facility included in the report, an owner or operator must include the information specified in §60.6420a(b)(1)(i) through (iv) in all annual reports.

Note: The Site Record No. will be automatically generated from your Company and Site Name. You must enter a physical address for the site, or if a physical address is not available, you must enter a description of the site location and the

SITE INFORMATION					
Site Record No. **(Field value will automatically generate.)**	**Company Name (§60.5420a(b)(1)(i))**	**Facility Site Name (§60.5420a(b)(1)(i))**	**Does the site have a physical address?** **(Select from dropdown list)**	**Address of Affected Facility (§60.5420a(b)(1)(i))**	**Address 2**
RecordId	FacilityName	SiteName	AddressFlag	AddressLine1	AddressLine2
e.g.: ABC Company XYZ Compressor Station	e.g.: ABC Company	e.g.: XYZ Compressor Station	e.g.: No		
e.g.: DEF Company DEF Well Site	e.g.: DEF Company	e.g.: DEF Well Site	e.g.: Yes	e.g.: 456 Broad Street	e.g.: Suite 250

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coordinates for the site. If you provide an answer in Column E, cells that are not relevant will be shaded in black.

				ALTERNATIVE ADDRESS INFORMATION (IF NO PHYSICAL ADDRESS AVAILABLE FOR SITE)			STATE IDENTIFIER	REPORTIN
City (§60.5420a(b)(1)(i))	**County (§60.5420a(b)(1)(i))**	**State Abbreviation (§60.5420a(b)(1)(i)) (Select from dropdown list)**	**Zip Code (§60.5420a(b)(1)(i))**	**Description of Site Location (§60.5420a(b)(1)(i))**	**Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))**	**Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))**	**Responsible Agency Facility ID (State Facility Identifier)**	**Beginning Date of Reporting Period (§60.5420a(b)(1)(iii))**
CityName	CountyName	StateName	ZipCode	SiteDescription	SiteLatitude	SiteLongitude	StateFacId	PeriodStartDate
	e.g.: Cook	e.g.: IL		e.g.: 7 miles NE of the intersection of Hwy 123 and Hwy 456	e.g.: 34.12345	e.g.: -101.12345	e.g.:	e.g.: 01/01/16
e.g.: Houston	e.g.: Houston	e.g.: TX	e.g.: 77002	e.g.:	e.g.:	e.g.:	e.g.:	e.g.: 01/01/18

G PERIOD	ADDITIONAL INFORMATION	
Ending Date of Reporting Period (§60.5420a(b)(1)(iii))	**Please enter any additional information.**	**Enter associated file name reference.**
PeriodEndDate	AddInfo	AddFile
e.g.: 06/30/16	e.g.:	e.g.: addlinfo.zip
e.g.: 06/30/18	e.g.:	e.g.: DEFWellSite.pdf

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(b)(1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section is required for all reports.
(i) ...US Well ID or US Well ID associated with the affected facility, if applicable...

Note: This tab is only required for affected facilities that are associated with a Well ID. Site Record No. selections appear once Facility Site Name(s) are added to Site Information worksheet. Each row should contain one facility and one Well ID. If multiple wells are associated with an affected facility, add a line for each Well ID associated with the affected facility. If a single Well ID is associated with multiple affected facilities, list each affected facility to which it is associated on a separate line.

Site Record No. (Select from dropdown list)	Affected Facility Identification (§60.5420a(b)(1)(i))	Type of Affected Facility	US Well ID or US Well ID Associated with the Affected Facility (§60.5420a(b)(1)(i))
RecordId	AffectedFacID	AffectedFacType	WellId
e.g.: DEF Company DEF Well Site	e.g.: Comp-12a	e.g.: centrifugal compressor	e.g.: 12-345-67890-12

Based on your answers to the following questions, relevant tabs will stay visible or be hidden in this workbook.
This worksheet is optional. You are not required to provide the information below.

Will you be reporting for the following affected facilities:	
Wells?	
Centrifugal Compressor?	
Reciprocating Compressor?	
Pneumatic Controller?	
Storage Vessel?	
Collection of Fugitive Emissions Components?	
Pneumatic Pump?	
Sweetening Unit?	

For Collections of Fugitives:	
Do you need to report information for a fugitive monitoring survey?	
Do you need to report information for a collection of fugitive emissions components complying with an alternative fugitive emissions standard under §60.5399a?	
If you are complying with an alternative fugitive emissions standard under §60.5399a, are you required to report information specified in §60.5420a(b)(7)(i) and (ii) because the reports required by the alternative fugitive emission standard are not site-specific?	

Are you required to report information on cover and closed vent system inspections and monitoring for reciprocating compressors, centrifugal compressors, storage vessels or pneumatic pumps?	

Do you need to report deviations for a well, centrifugal compressor, reciprocating compressor, pneumatic controller, storage vessel, pneumatic pump, or a control device tested by the device manufacturer under §60.5413a(d)?	

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For each well affected facility that is subject to §60.5375a(a) or (f), the records of each well completion operation conducted during the reporting period, including the information specified in §60.5420a(b)(2)(i) through (xiv), if applicable. In lieu of submittir
For periods where salable gas is unable to be separated, the information required by (b)(2)(iv) and (b)(2)(viii) through (xii) must also be reported, as applicable.
For each well affected facility that is subject to §60.5375a(g), the information required by (b)(2)(xv) is required to be reported.

Note: Deviation information required by §60.5420a(b)(2)(xii) should be reported on the Deviations tab. List each well completion operation conducted during the reporting period on a separate line. Site Record No. selections appear once Facility Site Name(s)

Site Record No. (Select from dropdown list)	Identification of Affected Well (§60.5420a(b)(1)(ii), §60.5420a(b)(2)(iii))	Does the well produce less than 300 scf of gas per stock tank barrel of oil produced? (Select from dropdown list)	List the attachment file name that contains the supporting analysis performed in order to make that claim. List each well on a separate line. (§60.5420a(b)(2)(xv))	Are you submitting a digital photo in lieu of the records specified in §60.5420a(b)(2)(i) through (b)(2)(xiv)? (Select from dropdown list)	List the attachment file name that contains the digital photograph that meets the requirements of §60.5410a(a)(4). List each event on a separate line. (§60.5420a(b)(2))	Latitude of the Well (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(2)(ii))
RecordId	AffectedWell	GasRequirementFlag	GasAnalysisFile	CompletionPhotoFlag	WellFile	AffWellLat
e.g.: DEF Company DEF Well Site	e.g.: 12-345-67890-12	e.g.: No		e.g.: No		e.g.: 38.88948
e.g.: DEF Company ABC Well Site	e.g.: 12-345-67890-13	e.g.: No	e.g.:	e.g.: No	e.g.:	e.g.: 38.88950
e.g.: DEF Company XYZ Well Site	e.g.: 12-345-67890-16	e.g.: Yes	e.g.: GORcalcs.pdf	e.g.:	e.g.:	e.g.:
e.g.: DEF Company 123 Well Site	e.g.: 12-345-67890-17	e.g.: No	e.g.:	e.g.: Yes	e.g.: completion16.pdf	e.g.:
e.g.: DEF Company 345 Well Site	e.g.: 12-345-67890-18	e.g.: No	e.g.:	e.g.: No	e.g.:	e.g.: 38.88950
e.g.: DEF Company 678 Well Site	e.g.: 12-345-67890-19	e.g.: No	e.g.:	e.g.: No	e.g.:	e.g.: 38.88950

ıg the records specified in (b)(2)(i) through (xiv), the owner or operator may submit a list of each well completion with hydraulic fracturing and the digital photograph required by (c)(1)(v). For each well affected facility that routes flowback entirely through one o

are added to Site Information worksheet. If you provide answers in Columns D, F, H, L, Y and/or AB, cells that are not relevant will be shaded in black.

Longitude of the Well (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(2)(ii))	Well Completion ID (§60.5420a(b)(2)(i))	Did the well immediately start production following hydraulic fracturing or refracturing? (§60.5420a(b)(2)(iv) (Select from dropdown list)	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing (§60.5420a(b)(2)(iv))	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing (§60.5420a(b)(2)(iv))	Date of Attempt to Direct Flowback to a Separator as Required in §60.5375a(a)(1)(ii) (§60.5420a(b)(2)(v))	Time of Attempt to Direct Flowback to a Separator as Required in §60.5375a(a)(1)(ii) (§60.5420a(b)(2)(v))	Date Well was Shut In and Flowback Equipment was Permanently Disconnected or the Startup of Production (§60.5420a(b)(2)(vi))	Time Well was Shut In and Flowback Equipment was Permanently Disconnected or the Startup of Production (§60.5420a(b)(2)(vi))
AffWellLong	WellCompletionId	WellProductionFlag	AffOnsetDate	AffOnsetTime	AffAttemptDate	AffAttemptTime	AffShutInDate	AffShutInTime
e.g.: -77.03526	e.g.: Completion ABC	e.g.: Yes, flowback was routed through a production separator and production immediately started					e.g.: 10/16/16	e.g.: 10:00 AM
e.g.: -77.03528	e.g.: Completion ABC	e.g.: No, production did not immediately start	e.g.: 11/16/16	e.g.: 10:00 AM	e.g.: 11/16/16	e.g.: 10:00 AM	e.g.: 11/16/16	e.g.: 10:00 AM
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.: -77.03528	e.g.: Completion ABC	e.g.: Yes, flowback was routed through a production separator, but saleable gas was unable to be separated	e.g.:	e.g.:	e.g.:	e.g.:	e.g.: 11/16/16	e.g.: 10:00 AM
e.g.: -77.03528	e.g.: Completion ABC	e.g.: No, production did not immediately start	e.g.: 11/16/16	e.g.: 10:00 AM	e.g.: 11/16/16	e.g.: 10:00 AM	e.g.: 11/16/16	e.g.: 10:00 AM

r more production separators, only the information required by (b)(2)(i) through (b)(2)(iv) and (b)(2)(vi) are required to be reported.

Duration of Flowback (in hours) (§60.5420a(b)(2)(vii))	Duration of Recovery (in hours) (§60.5420a(b)(2)(viii))	Disposition of Recovery (§60.5420a(b)(2)(viii)) (Select from dropdown list)	Duration of Combustion (in hours) (§60.5420a(b)(2)(ix))	Duration of Venting (in hours) (§60.5420a(b)(2)(x))	Specific Reasons for Venting In Lieu of Capture or Combustion (§60.5420a(b)(2)(xi))	Is the well affected facility subject to §60.5375a(f)? (Select from dropdown list)	Well Type (§60.5420a(b)(2)(xiii)) (Select from dropdown list)
AffFlowbackHrs	AffRecoveryHrs	AffRecoveryDesc	AffCombustionHrs	AffVentingHrs	AffVentingReason	WellFlag	WellType
[redacted]							
e.g.: 7	e.g.: 7	e.g.: Used as on onsite fuel source	e.g.: 7	e.g.: 7	e.g.: No onsite storage or combustion unit was available at the time of completion.	e.g.: No	
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.: 7	e.g.: Used as on onsite fuel source	e.g.: 7	e.g.: 7	e.g.: No onsite storage or combustion unit was available at the time of completion.	e.g.:	
e.g.: 7	e.g.: 7	e.g.: Used as on onsite fuel source	e.g.: 7	e.g.: 7	e.g.: No onsite storage or combustion unit was available at the time of completion.	e.g.: Yes	e.g.: Wildcat well

List the attachment file name that contains the supporting inputs and calculations. (§60.5420a(b)(2)(xiii))	Are you claiming an exception under §60.5375a(a)(3)? (Select from dropdown list)	Specific Exception Claimed (§60.5420a(b)(2)(xiv)) (Select from dropdown list)	Why the Well Meets the Claimed Exception (§60.5420a(b)(2)(xiv))
WellSupportingCalcs	WellExemptionFlag	ExcExceptionClaimed	ExcExceptionDesc
	e.g.: No		
e.g.: supportingdata12.pdf	e.g.: Yes	e.g.: Technically infeasible to use for another useful purpose	e.g.:

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For each centrifugal compressor affected facility, an owner or operator must include the information specified in §60.5420a(b)(3)(i) through (v) in all annual reports.

Note: Deviation information required by §60.5420a(b)(3)(ii) and (iv)(C) should be reported on the Deviations tab. Information required by §60.5420a(b)(3)(iii) should be reported on the Closed Vent Systems tab. Site Record No. selections appear on

						Centrifugal C Device Not Te
Site Record No. (Select from dropdown list)	**Centrifugal Compressor ID (§60.5420a(b)(1)((ii), §60.5420a(b)(3)(i), §60.5420a(b)(3)(iv)(A))**	**Was the centrifugal compressor using a wet seal system and constructed, modified, or reconstructed during the reporting period? (§60.5420a(b)(3)(i))** (Select from dropdown list)	**Was a control device used to reduce emissions?** (Select from dropdown list)	**Was the control device tested under §60.5413a(d)?** (Select from dropdown list)	**Was the control device returned to operation from a maintenance or repair activity?** (Select from dropdown list)	**Date the Performance Test Was Conducted (§60.5420a(b)(3)(v))**
RecordId	CentCompressorId	CompressorConstruct	CompControlFlag	CompManfTestFlag	CompReturnOpFlag	CompTestDate
e.g.: ABC Company XYZ Compressor Station	e.g.: Comp-12a	e.g.: Constructed	e.g.: Yes	e.g.: Yes	e.g.: Yes	
e.g.: ABC Company XYZ Compressor Station	e.g.: Comp-12c	e.g.: Modified	e.g: No			
e.g.: ABC Company XYZ Compressor Station	e.g.: Comp-12d	e.g.: Reconstructed	e.g.: Yes	e.g.: No		e.g.: 10/16/20

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ce Facility Site Name(s) are added to Site Information worksheet. If you provide an answer in Columns E and/or F, cells that are not relevant will be shaded in black.

ompressors with Control ested Under §60.5413a(d)	**Centrifugal Compressors with Control Device Tested Under §60.5413a(d) Which Meets the Criteria in §60.5413a(d)(11) and §60.5413a(e)**					
				Visible Emissions Test Following Return to Operation From Maintenance or Repair		
Pollutant(s) Tested (§60.5420a(b)(3)(v))	**Make of Purchased Device (§60.5420a(b)(3)(iv)(B))**	**Model of Purchased Device (§60.5420a(b)(3)(iv)(B))**	**Date of Purchase (§60.5420a(b)(3)(iv)(B))**	**Date of Visible Emissions Test (§60.5420a(b)(3)(iv)(D))**	**Length of the Test (in minutes) (§60.5420a(b)(3)(iv)(D))**	**Amount of Time Visible Emissions Present (in minutes) (§60.5420a(b)(3)(iv)(D))**
CompTestPollutant	WetDeviceMake	WetDeviceModel	WetPurchaseDate	CompVETestDate	CompVETestLength	CompVEMinutes
	e.g.: Incinerator Guy	e.g.: 400 Combustor	e.g.: 12/10/16	e.g.: 10/15/20	e.g.: 60	e.g.: 0
e.g.: THC						

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For each reciprocating compressor affected facility, an owner or operator must include the information specified in §60.5420a(b)(4)(i) through (iii) in all annual reports.

Note: Deviation information required by §60.5420a(b)(4)(ii) should be reported on the Deviations tab. Information required by §60.5420a(b)(4)(iii) should be reported on the Closed Vent Systems tab. Site Record No. selections appear once Facility Site Name(s) are added to Site Information worksheet. If you answer yes in Column D, cells that are not relevant will be shaded in black.

Site Record No. (Select from dropdown list)	Reciprocating Compressor ID (§60.5420a(b)(1)(ii))	Are emissions from the rod packing being routed to a process through a closed vent system under negative pressure? (§60.5420a(b)(4)(i)) (Select from dropdown list)	What are the cumulative number of hours or months of operation since initial startup, since August 2, 2016, or since the previous reciprocating compressor rod packing replacement (whichever is later)? (§60.5420a(b)(4)(i))	Units of Time Measurement (§60.5420a(b)(4)(i)) (Select from dropdown list)
RecordId	RecipCompressorID	RodEmissionsFlag	OpCumTime	OpCumUnit
e.g.: ABC Company XYZ Compressor Station	e.g.: Comp-12b	e.g.: Yes		
e.g.: ABC Company 123 Compressor Station	e.g.: Comp-6a	e.g.: No	e.g.: 6	e.g.: months

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For each pneumatic controller affected facility, an owner or operator must include the information specified in §60.5420a(b)(5)(i) through (iii) in all annual reports.

Note: Deviation information required by §60.5420a(b)(5)(iii) should be reported on the Deviations tab. Site Record No. selections appear once Facility Site Name(s) are added to Site Information worksheet. If you answer no in Column D and/or G, cells that are not relevant will be shaded in black.

Site Record No. (Select from dropdown list)	Pneumatic Controller Identification (must allow traceability to the records in §60.5420a(c)(4)(iii) and (iv)) (§60.5420a(b)(1)(ii), (b)(5)(i))	Was the pneumatic controller constructed, modified, or reconstructed during the reporting period? (§60.5420a(b)(5)(i)) (Select from dropdown list)	Month of Installation, Reconstruction, or Modification (§60.5420a(b)(5)(i)) (Select from dropdown list)	Year of Installation, Reconstruction, or Modification (§60.5420a(b)(5)(i))	Does the pneumatic controller affected facility have a natural gas bleed rate greater than the applicable standard? (§60.5420a(b)(5)(ii)) (Select from dropdown list)	Reason(s) Why the Pneumatic Controller Affected Facility has a Natural Gas Bleed Rate Greater than the Applicable Standard (§60.5420a(b)(5)(ii))
RecordId	ControllerId	ControllerConstruct	ConstructMonth	ConstructYear	CtrlBleedRateFlag	CtrlBleedRateReason
e.g.: DEF Company DEF Well Site	e.g.: Controller 12A	e.g.: Reconstructed	e.g.: March	e.g.: 2017	e.g.: No	
e.g.: DEF Company DEF Well Site	e.g.: Controller 12B	e.g.: No			e.g.: Yes	e.g.: safety bypass controller requires use of a high-bleed controller

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For each storage vessel affected facility, an owner or operator must include the information specified in §60.5420a(b)(6)(i) through (ix) in all annual reports:

Note: Deviation information required by §60.5420a(b)(6)(iii) and (v)(C) should be reported on the Deviations tab. Information required by §60.5420a(b)(6)(vii) should be reported on the Closed Vent Systems tab. Site Record No. selections appear once Facility Site Name(s) are added

Site Record No. (Select from dropdown list)	Storage Vessel ID (§60.5420a(b)(1)(ii), §60.5420a(b)(6)(i), §60.5420a(b)(6)(v)(A), §60.5420a(b)(6)(vi), §60.5420a(b)(6)(viii), §60.5420a(b)(6)(ix))	Was the storage vessel constructed, modified or reconstructed during the reporting period? (§60.5420a(b)(6)(i)) (Select from dropdown list)	Latitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) (§60.5420a(b)(6)(i))	Longitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) (§60.5420a(b)(6)(i))	Have you met the requirements specified in §60.5410a(h)(2) and (3)? (§60.5420a(b)(6)(iv)) (Select from dropdown list)	Was the storage vessel removed from service during the reporting period? (§60.5420a(b)(6)(viii)) (Select from dropdown list)	Date Removed from Service (§60.5420a(b)(6)(viii))
RecordId	VesselId	VesselConstruct	VesselLatitude	VesselLongitude	VesselRequirementFlag	VesselRemoveFlag	VesselRemoveDate
e.g.: DEF Company DEF Well Site	e.g.: Tank 125	e.g.: Constructed	e.g.: 34.12345	e.g.: -101.12345	e.g.: Yes	e.g.: Yes	e.g.: 11/15/20
e.g.: DEF Company 123 Well Site	e.g.: Tank 120	e.g.: No			e.g.: Yes	e.g.: No	
e.g.: DEF Company 123 Well Site	e.g.: Tank 121	e.g.: Reconstructed	e.g.: 34.12349	e.g.: -101.12349	e.g.: Yes	e.g.: No	

l to Site Information worksheet. Depending on answers in Columns D, H, J, M, N, and O, cells that are not relevant will be shaded in black.

						Storage Vessels with Control Device Not Tested Under §60.5413a(d)	
Was the storage vessel returned to service during the reporting period? (§60.5420a(b)(6)(ix)) (Select from dropdown list)	Date Returned to Service (§60.5420a(b)(6)(ix))	Documentation of the VOC Emission Rate Determination According to §60.5365a(e)(1) (§60.5420a(b)(6)(ii))	Does the storage vessel comply with §60.5395a(a)(2) using a control device? (Select from dropdown list)	Was the control device tested under §60.5413a(d)? (Select from dropdown list)	Was the control device returned to operation from a maintenance or repair activity? (Select from dropdown list)	**Date the performance test was conducted (§60.5420a(b)(6)(vi))**	**Pollutant(s) tested (§60.5420a(b)(6)(vi))**
VesselReturnFlag	VesselReturnDate	VesselVocRateDesc	SVControlFlag	SvManfTestFlag	SvReturnOpFlag	SVTestDate	SVTestPollutant
e.g.: No		e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information.	e.g.: Yes	e.g.: Yes	e.g.: Yes		
e.g.: Yes	e.g.: 11/15/20	e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information.	e.g.: No				
e.g.: No		e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information.	e.g.: Yes	e.g.: No		e.g.: 10/15/20	e.g.: THC

Storage Vessels with Control Device Tested Under §60.5413a(d) Which Meets the Criteria in §60.5413a(d)(11) and §60.5413a(e)					
			Visible Emissions Test Following Return to Operation From Maintenance or Repair		
Make of Control Device (§60.5420a(b)(6)(v)(B))	**Model of Control Device (§60.5420a(b)(6)(v)(B))**	**Date of Purchase of Control Device (§60.5420a(b)(6)(v)(B))**	**Date of Visible Emissions Test (§60.5420a(b)(6)(v)(D))**	**Length of the Test (in minutes) (§60.5420a(b)(6)(v)(D))**	**Amount of Time Visible Emissions Present (in minutes) (§60.5420a(b)(6)(v)(D))**
SvMake	SvModel	SvPurchaseDate	SVVETestDate	SVVETestLength	SVVEMinutes
e.g.: Incinerator Guy	e.g.: 400 Combustor	e.g.: 12/10/16	e.g.: 10/15/20	e.g.: 60	e.g.: 0

[redacted]

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, and on or b

For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station, submit the information specified in §60.542

Note: Identification of Each Affected Facility selections appear once Facility Site Name(s) are added to Site Information worksheet. Depending on answers in Columns D, H, J, M, and N, cells that a

Identification of Each Affected Facility (§60.5420a(b)(1)(ii)) (Select from dropdown list)	Type of Site (§60.5420a(b)(7)(i)(A)) (Select from dropdown list)	Did this site become an affected facility during the reporting period? (Select from dropdown list)	Date of the Startup of Production or Date of the First Day of Production After Modification (§60.5420a(b)(7)(i)(B))	Date of Startup or the Date of Modification (§60.5420a(b)(7)(i)(B))	Does the well site meet the conditions specified in either §60.5397a(a)(1)(i) or (ii)? (§60.5420a(b)(7)(i)(C)) (Select from dropdown list)
RecordId	SiteType	FugNewFlag	FugWellStartDate	FugCompStartDate	FugLowProdFlag
e.g.: ABC Company XYZ Compressor Station	e.g.: compressor station	e.g.: Yes		e.g.: 01/01/18	
e.g.: DEF Company DEF Well Site	e.g.: well site	e.g.: No			e.g.: No
e.g.: ABC Company GHI Well Site	e.g.: well site	e.g.: Yes	e.g.: 01/01/18		e.g.: Yes
e.g.: DEF Company JKL Well Site	e.g.: well site	e.g.: No			e.g.: No

ıefore December 6, 2022 - §60.5420a(b) Annual Report

0a(b)(7)(i), as applicable.

ıre not relevant will be shaded in black.

What is the total production for the well site? (boe per day) (§60.5420a(b)(7)(i)(C))	Did you complete the removal of all major production and processing equipment during the reporting period? (Select from dropdown list)	Date of Change to Status as a Wellhead Only Well Site (§60.5420a(b)(7)(i)(D))	During the reporting period, did you add back major production and processing equipment after previously reporting the removal of all major production and processing period? (Select from dropdown list)	Date First Piece of Major Production and Processing Equipment Was Added Back (§60.5420a(b)(7)(i)(E))
FugBOE	FugRemovalFlag	FugWellheadDate	FugAddBackFlag	FugAddBackDate
	e.g.: Yes	e.g.: 01/01/18		
e.g.: 12	e.g.: No			
	e.g.: No		e.g.: Yes	e.g.: 01/01/18

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, and on or before December 6, 2022 - §60.5420a(b) Annual Report

For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station, submit the information specified in §60.5420a(b)(7)(ii), as applicable.
For each fugitive emissions monitoring survey performed during the annual reporting period, the information specified in §60.5420a(b)(7)(ii)(A) through (G). (Information will be continued on Fugitives Found Tab.)

Note: Identification of Each Affected Facility selections appear once Facility Site Name(s) are added to Site Information worksheet. Only suveys with a yes in Column E will appear on the Fugitives Found worksheet.

Identification of Each Affected Facility (§60.5420a(b)(1)(ii)) (Select from dropdown list)	Date of Survey (§60.5420a(b)(7)(ii)(A))	Do you need to report fugitives found during the survey? (§60.5420a(b)(7)(ii)(D)) (Select from dropdown list)	Monitoring Instrument Used (§60.5420a(b)(7)(ii)(B))	Deviations From Monitoring Plan Elements Under §60.5397a(c)(1), (2), (7), and (8)(i) or Statement that There Were No Deviations From These Monitoring Plan Elements (§60.5420a(b)(7)(ii)(C))	Date of Planned Shutdown(s) that Occurred During the Reporting Period if Components are on Delay of Repair (§60.5420a(b)(7)(ii)(G))
RecordId	SurveyDate	FugFlag	MonitoringInstrument	PlanDeviation	FugShutdownDate
e.g.: ABC Company XYZ Compressor Station	e.g.: 01/15/20	e.g.: yes	e.g.: Company ABC optical gas imaging camera	e.g.: There were no deviations from the monitoring plan.	e.g.: 01/02/20

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, and on or before December 6, 2022 - 60.5420a(b) Annual Report

For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station, submit the information specified in §60.5420a(b)(7)(ii), as applicable.
For each fugitive emissions monitoring survey performed during the annual reporting period, the information specified in §60.5420a(b)(7)(ii)(A) through (G). (Information continued from Fugitive Survey Tab.)

Note: Affected Facility and Survey Date selections appear once information is added to Fugitive Surveys worksheet. Depending on answers in Columns D and H, cells that are not relevant will be shaded in black.

Affected Facility and Survey Date (§60.5420a(b)(7)(ii)) (Select from dropdown list)	Type of Component for which Fugitive Emissions Detected (§60.5420a(b)(7)(ii)(D)) (Select from dropdown list)	Type of Component If "Other" Selected in Column D (§60.5420a(b)(7)(ii)(D))	Number of Each Component Type for which Fugitive Emissions Detected (§60.5420a(b)(7)(ii)(D))	Number of Each Component Type Not Repaired as Required in §60.5397a(h) (§60.5420a(b)(7)(ii)(E))	Number of Each Component Type Placed on Delay of Repair (§60.5420a(b)(7)(ii)(F))	Explanation for Delay of Repair (§60.5420a(b)(7)(ii)(F))
FugSurvey	FugitiveType	FugOtherType	FugitiveNum	NotRepairedNum	DelayRepairNum	DelayRepairExplanation
e.g.: ABC Company XYZ Compressor Station 01/05/21	e.g.: thief hatch		e.g.: 2	e.g.: 1	e.g.: 1	e.g.: Unsafe to repair until next shutdown
e.g.: ABC Company XYZ Compressor Station 01/05/21	e.g.: valve		e.g.: 1	e.g.: 1	e.g.: 0	
e.g.: ABC Company XYZ Compressor Station 01/05/21	e.g.: connector		e.g.: 2	e.g.: 0	e.g.: 0	
e.g.: ABC Company XYZ Compressor Station 01/05/21	e.g.: flange		e.g.: 1	e.g.: 0	e.g.: 0	

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For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station, submit the information specified in §60.5420a(b)(7)(iii), as applicable.
For each collection of fugitive emissions components at a well site or collection of fugitive emissions components at a compressor station complying with an alternative fugitive emissions standard under §60.5399a, in lieu of the information specified in §60.5420a(b)(7)(i) and (ii), you must provide the information specified in §60.5420a(b)(7)(iii)(A) through (C).

Note: Identification of Each Affected Facility selections appear once Facility Site Name(s) are added to Site Information worksheet. If you answer "No" in Column E, you must provide the information specified in §60.5420a(b)(7)(i) and (ii).

Identification of Each Affected Facility (§60.5420a(b)(1)(ii)) (Select from dropdown list)	The alternative standard with which you are complying. (§60.5420a(b)(7)(iii)(A))	Is the report specified by the alternative fugitive emission standard site-specific? (Select from dropdown list)	If you answered "Yes" in Column E, list the attachment file name that contains the site-specific report specified by the alternative fugitive emissions standard. (§60.5420a(b)(7)(iii)(B))
RecordId	FugAltStandard	FugAltReportFlag	FugAltReportFile
e.g.: DEF Company Well Site ABC	e.g.: Ohio General Permit 18.1, effective February 7, 2017	e.g.: Yes	e.g.: wellsiteabc2020survey.pdf
e.g.: GHI Company Well Site MNO	e.g.: Colorado Regulation 7, Part D, §I.L or II.E, effective February 14, 2020	e.g.: No	

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, and on or before December 6, 2022 - §60

For each pneumatic pump affected facility, an owner or operator must include the information specified in §60.5420a(b)(8)(i) through (iv) in all annual reports.

Note: Deviation information required by §60.5420a(b)(8)(iii) should be reported on the Deviations tab. Information required by §60.5420a(b)(8)(iv) should be reported on the Closed Vent Systems tab. Site Record No. selectio
Columns D, E, and G, cells that are not relevant will be shaded in black.

Site Record No. (Select from dropdown list)	Pump ID (§60.5420a(b)(1)(ii), §60.5420a(b)(8)(ii))	Was the pneumatic pump constructed, modified, or reconstructed during the reporting period? (§60.5420a(b)(8)(i)) (Select from dropdown list)	What condition does the pneumatic pump meet? (§60.5420a(b)(8)(i)) (Select from dropdown list)	Date Pump Was Previously Reported (§60.5420a(b)(8)(ii))
RecordId	PumpId	PumpConstruct	PumpCondition	PumpChangeDate
e.g.: DEF Company DEF Well Site	e.g.: Pump 12	e.g.: Constructed	e.g.: §60.5420a(b)(8)(i)(C)-Emissions are routed to a control device or process that achieves less than 95% emissions reduction.	
e.g.: DEF Company ABC Well Site	e.g.: Pump 22	e.g.: No		e.g.: 10/10/17
e.g.: DEF Company 123 Well Site	e.g.: Pump 15	e.g.: No		e.g.: 10/01/18
e.g.: DEF Company XYZ Well Site	e.g.: Pump 27	e.g.: Modified	e.g.: §60.5420a(b)(8)(i)(A)-No control device or process is available on site.	

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ns appear once Facility Site Name(s) are added to Site Information worksheet. Depending on answers in

Which condition does the pneumatic pump meet? * (§60.5420a(b)(8)(ii)) (Select from dropdown list)	What is the percent emissions reduction the control device is designed to achieve? (§§60.5420a(b)(8)(i)(C) and (ii)(A))
PumpChangeCondition	PumpReductionPercent
[redacted]	e.g.: 90.50%
e.g.: §60.5420a(b)(8)(ii)(A)-A control device was added, and emissions are routed to a control device or process that achieves less than 95% emissions reduction.	e.g.: 90.50%
e.g.: §60.5420a(b)(8)(ii)(D)-A control device or process has been removed from the location or otherwise is no longer available, and it is technically infeasible to capture and route the emissions to an on site control device or process.	[redacted]
[redacted]	

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, and on

§60.5423a What additional recordkeeping and reporting requirements apply to my sweetening unit affected facilities at onshore natural gas processing plants? You must submit a report of the information specified in paragraph (b)(3).

Note: Site Record No. selections appear once Facility Site Name(s) are added to Site Information worksheet. Depending on the answer in Column H, cells that are not relevant will be shaded i

Site Record No. (Select from dropdown list)	**Identification of Sweetening Unit (§60.5420a(b)(1)(ii))**	**Time of Commencement of Excess Emissions Period (§60.5423a(b)(3)(i))**	**Date of Commencement of Excess Emissions Period (§60.5423a(b)(3)(i))**	**Time of Completion of Excess Emissions Period (§60.5423a(b)(3)(i))**
RecordId	SweeteningID	ExcessTimeStart	ExcessDateStart	ExcessTimeStop
e.g.: ABC Company XYZ Compressor Station	e.g.: Sweetening Unit 1	e.g.: 10:00 AM	e.g.: 01/01/19	e.g.: 2:00 PM
e.g.: ABC Company XYZ Compressor Station	e.g.: Sweetening Unit 2	e.g.: 10:00 AM	e.g.: 01/01/19	e.g.: 2:00 PM

or before December 6, 2022 - §60.5420a(b) Annual Report

excess emissions to the Administrator in your annual report if you had excess emissions during the reporting period. The report must contain

n black.

Date of Completion of Excess Emissions Period (§60.5423a(b)(3)(i))	Which type of excess emissions is this? (Select from dropdown list)	Required Minimum Efficiency (Z) (§60.5423a(b)(3)(ii))	Actual Average Sulfur Emissions Reduction Efficiency (R) (§60.5423a(b)(3)(ii))	Appropriate Operating Temperature (§60.5423a(b)(3)(iii))	Actual Average Temperature of the Gases Leaving the Combustion Zone (§60.5423a(b)(3)(iii))
ExcessDateStop	ExcessEventType	ReqMinEfficiency	AvgSulfurReduction	OpTemp	AvgExitGasTemp
e.g.: 01/02/19	e.g.: Sulfur emission reduction efficiency	e.g.: 97.50	e.g.: 95.00		
e.g.: 01/02/19	e.g.: Temperature of the gases leaving the combustion zone			e.g.: 820 C	e.g.: 750 C

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If required to comply with §60.5380a(a)(2), §60.5385a(a)(3), §60.5395a(b)(1), or §60.5393a(b), include the information required in this worksheet.

Note: Site Record No. selections appear once Facility Site Name(s) are added to Site Information worksheet. Enter a date into either Column G or H, depending on whether the repair has been completed. The colu

Site Record No. (Select from dropdown list)	Type of Affected Facility (§60.5420a(b)(1)(ii)) (Select from dropdown list)	Identification of Affected Facility (§60.5420a(b)(1)(ii))	Date of Inspection (§60.5420a(b)(3)(iii)(A), §60.5420a(b)(4)(iii)(A), §60.5420a(b)(6)(vii)(A), §60.5420a(b)(8)(iv)(A))	Leak or Defect Identified During Inspection (§60.5420a(b)(3)(iii)(B), §60.5420a(b)(4)(iii)(B), §60.5420a(b)(6)(vii)(B), §60.5420a(b)(8)(iv)(B))
RecordId	CVSFacType	CVSFacID	CVSInspectDate	CVSDefect
e.g.: ABC Company XYZ Compressor Station	e.g.: centrifugal compressor	e.g.: Comp-S2a	e.g.: 10/16/20	e.g.: Compressor seal leaking

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mn not used will be blacked out.

Date of Repair (§60.5420a(b)(3)(iii)(B), §60.5420a(b)(4)(iii)(B), §60.5420a(b)(6)(vii)(B), §60.5420a(b)(8)(iv)(B))	Anticipated Date of Repair (§60.5420a(b)(3)(iii)(B), §60.5420a(b)(4)(iii)(B), §60.5420a(b)(6)(vii)(B), §60.5420a(b)(8)(iv)(B))	Date of Bypass Alarm or Key Checked Out (§60.5420a(b)(3)(iii)(C), §60.5420a(b)(4)(iii)(C), §60.5420a(b)(6)(vii)(C), §60.5420a(b)(8)(iv)(C))	Time of Bypass Alarm or Key Checked Out (§60.5420a(b)(3)(iii)(C), §60.5420a(b)(4)(iii)(C), §60.5420a(b)(6)(vii)(C), §60.5420a(b)(8)(iv)(C))	List the attachment file name that contains the certification signed by a qualified professional engineer or in-house engineer for each closed vent system routing to a control device or process. (§60.5420a(b)(12))
CVSRepairDate	CVSAnticipatedDate	CVSBypassDate	CVSBypassTime	PeCertFile
e.g.: 10/17/20	e.g.: 12/10/20	e.g.: 10/17/20	e.g.: 7:00 AM	e.g.: Certification.pdf

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015, and on or before Decem

For each deviation that occurred during the reporting period and recorded as specified in §60.5420a(c), the date and time the deviation began, duration of the deviation and a description of the deviation.
For each instance where the inlet gas flow rate exceeds the manufacturer's listed maximum gas flow rate, where there is no indication of the presence of a pilot flame, or where visible emissions exceeded 1

Note: Site Record No. selections appear once Facility Site Name(s) are added to Site Information worksheet. Depending on the answer in Columns C and E, cells that are not relevant will be shaded in black.

Site Record No. (Select from dropdown list)	Type of Affected Facility (§60.5420a(b)(1)(ii)) (Select from dropdown list)	Identification of Affected Facility (§60.5420a(b)(1)(ii))	Is this a deviation of a control device tested under §60.5413a(d) which meets the criteria in §60.5413a(d)(11) and §60.5413a(e)? (§60.5420a(b)(3)(iv)(C), §60.5420a(b)(6)(v)(C)) (Select from dropdown list)	Type of Deviation (§60.5420a(b)(3)(iv)(C), §60.5420a(b)(6)(v)(C)) (Select from dropdown list)
RecordId	DeviationFacType	DeviationFacID	DeviationManfTestFlag	DeviationType
e.g.: ABC Company XYZ Compressor Station	e.g.: centrifugal compressor	e.g.: Comp-2A-1	e.g.: Yes	e.g.: No indication of the presence of a pilot flame
e.g.: DEF Company DEF Well Site	e.g.: well	e.g.: Pump 46		
e.g.: DEF Company DEF Well Site	e.g.: storage vessel	e.g.: Tank 345	e.g.: No	

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. minute in any 15-minute period, include the date and time the deviation began, the duration of the deviation, and a description of the deviation.

Description of Deviation (§60.5420a(b)(2)(xii), §60.5420a(b)(3)(ii), §60.5420a(b)(4)(ii), §60.5420a(b)(5)(iii), §60.5420a(b)(6)(iii), §60.5420a(b)(8)(iii))	Date Deviation Began (§60.5420a(b)(2)(xii), §60.5420a(b)(3)(ii), §60.5420a(b)(3)(iv)(C), §60.5420a(b)(4)(ii), §60.5420a(b)(5)(iii), §60.5420a(b)(6)(iii), §60.5420a(b)(6)(v)(C), §60.5420a(b)(8)(iii))	Time Deviation Began (§60.5420a(b)(2)(xii), §60.5420a(b)(3)(ii), §60.5420a(b)(3)(iv)(C), §60.5420a(b)(4)(ii), §60.5420a(b)(5)(iii), §60.5420a(b)(6)(iii), §60.5420a(b)(6)(v)(C), §60.5420a(b)(8)(iii))	Duration of Deviation (§60.5420a(b)(2)(xii), §60.5420a(b)(3)(ii), §60.5420a(b)(3)(iv)(C), §60.5420a(b)(4)(ii), §60.5420a(b)(5)(iii), §60.5420a(b)(6)(iii), §60.5420a(b)(6)(v)(C), §60.5420a(b)(8)(iii))	Units of Time for Duration (§60.5420a(b)(2)(xii), §60.5420a(b)(3)(ii), §60.5420a(b)(3)(iv)(C), §60.5420a(b)(4)(ii), §60.5420a(b)(5)(iii), §60.5420a(b)(6)(iii), §60.5420a(b)(6)(v)(C), §60.5420a(b)(8)(iii)) (Select from dropdown list)
DeviationDesc	DeviationStartDate	DeviationStartTime	DeviationDuration	DeviationDurationUnits
[redacted]	e.g.:10/16/20	e.g.: 10:00 AM	e.g.: 5	e.g.: hours
e.g.: A separator was not onsite for part of the flowback period.	e.g.:10/16/20	e.g.: 10:00 AM	e.g.: 5	e.g.: hours
e.g.: A separator was not onsite for part of the flowback period.	e.g.:10/16/20	e.g.: 10:00 AM	e.g.: 5	e.g.: hours

Revision Number	Date
1.00	
2.00	
3.00	4/8/2021

Description
Draft version that was never finalized
Draft version that was never finalized
Finalized Release Version