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June 28, 2018

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Clean Air Act Compliance Manager
U.S. EPA - Region 10. OCE-101
1200 6th Avenue; Suite 900
Seattle, WA 98101-3140

Subject: NSPS Subpart OOOOa
Annual Report – 31 March 2017 through 31 March 2018
Kuparuk River Unit

Compliance Manager,

As required in 40 CFR 60.5420a(b), ConocoPhillips Alaska (COPA) submits the enclosed annual OOOOa report for the Kuparuk River Unit.

Per 40 CFR 60.5420a(b), the initial annual report for OOOOa is due, "no later than 90 days after the end of the initial compliance period as determined according to §60.5410a." The initial compliance period began on August 2, 2016, and ends August 1, 2017; therefore, the first annual report would be due by October 30, 2017.

Pursuant to 40 CFR 60.5420a(b), COPA elected to submit the annual OOOOa by June 29th. The initial report on June 29, 2017 covers a reporting period of less than one year (reporting sooner than October 30, 2017) and, therefore, satisfies the requirement for an alternate reporting deadline.

Should you have any questions regarding this submittal, please contact the Kuparuk Environmental Coordinator at (907) 659-7242.

Sincerely,

Sarah Byam

James Short/Sarah Byam
Sr. Environmental Coordinator

Enclosures

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ED_004016I_00012084-00002

I. General Information

ConocoPhillips Alaska, Inc.
700 G Street
P.O. Box 100360
Anchorage, AK 99510-0360

Facility Site Name: Kuparuk River Unit

Location: Kuparuk Oil Field
Latitude: 70.323720° (Central Production Facility 1)
Longitude: -149.611196° (Central Production Facility 1)

Affected Facilities Included in This Annual Report

Affected Facilities:	Subject to Reporting?
Hydraulically fractured/refractured wells [§60.5365a(a)]	Yes
Centrifugal compressors [§60.5365a(b)]	No
Reciprocating compressors [§60.5365a(c)]	No
Pneumatic controllers [§60.5365a(d)]	Not Applicable
Storage vessels [§60.5365(e)]	No
Pneumatic pumps [§60.5365a(h)]	Not Applicable
Fugitive emission components at a well site or compressor station [§60.5365a(i) and §60.5365a(j)]	Yes

II. Report Certification

Reporting Period Start: 31 March 2017
Reporting Period End: 31 March 2018

Statement of Certification

Based on information and belief formed after reasonable inquiry, I certify that the statements and information in and attached to this document are true, accurate, and complete.

Signature: _____ Date: 06/27/18
Ty Maxey
GKA Operations Manager

III. Reporting Requirements and Documentation

Citation	Requirements	Data Location
Well Affected Facilities		
§60.5420a(b)(2)(i); §60.5420a(c)(1)(i); and §60.5420a(c)(1)(iii)	I. Records of the following for each well completion operation conducted during the reporting period: a. Well identification name b. Well location (latitude and longitude to five (5) decimal degrees c. API well number d. Date and time of the onset of flowback following hydraulic fracturing or refracturing e. Date and time of each attempt to direct flowback to a separator f. Date and time of each occurrence of returning flowback liquid to well completion or storage vessels (e.g. infeasible to operate separator) g. Date and time that well was shut in and flowback equipment permanently disconnected h. Duration of flowback (hours) i. Duration of gas recovery and type of recovery (hours) j. Duration of combustion (hours) k. Duration of venting and reason for venting in lieu of capture or combustion (hours)	See Attachment 1.
§60.5420a(b)(2)(ii); §60.5420a(c)(1)(ii); and §60.5420a(c)(2)(ii)	II. Records of deviations during the reporting period as specified in §60.5420a(c)(1)(ii).	No well affected facility deviations during the reporting period.
§60.5375a(f); §60.5420a(b)(2)(iii); §60.5420a(c)(1)(vii); and §60.5432a	III. Records that support a determination under §60.5432a that the well affected facility is a low pressure well.	No low pressure well designations during the reporting period

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Citation	Requirements	Data Location
Fugitive Emission Component Affected Facilities (BOTH WELL SITES AND COMPRESSOR STATIONS)		
§60.5397a(h); and §60.5420a(b)(7)(i) through §60.5420a(b)(7)(xii)	l. For the collection of fugitive emission components at each well site and/or each compressor station within the company defined area, report for each monitoring survey: a. Date of the survey b. Beginning and end time of the survey c. Name of the operator(s) performing survey i. If the survey is performed by optical gas imaging, note the training and experience of the operator(s). d. Ambient temperature, sky conditions, and maximum wind speed at the time of the survey e. Monitoring instrument used f. Any deviations, or a statement that there were no deviations, from the monitoring plan g. Number and type of fugitive emissions components for which fugitive emissions were detected h. Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h) i. Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emissions components monitored j. The date of successful repair of each identified fugitive emissions component k. Number and type of fugitive emissions components placed on delay of repair and explanation for each delay of repair l. Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the initial fugitive emissions finding	See Attachment 2.

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Attachment 1

Well Affected Facilities [§60.5420a(b)(2)]

Well Affected Facilities

Table 1-A: Well Flowback Information

Well Name	Well Completion Operation Type	Location of the Well	API Well Number	Date	Time Start	Time End	Flowback Stage	Duration of Flowback[1] (hr/day)	Duration of Recovery to Flow Line[2] (hr/day)	Duration of Combustion (hr/day)	Duration of Venting (hr/day)	Reasons for Venting in Lieu of Capture or Combustion	Exception Claimed Under §60.5375a(a)(3)	Comments/Explanation
1C-19	Routine Development	Lat: 70° 19' 28.24" N Long: 149° 29' 50.557" W	5002923114900	9/15/2017	11:45 AM	11:45 AM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Once fluids reached the surface, production was immediately started.
2A-26	Routine Development	Lat: 70° 17' 36.924" N Long: 149° 59' 12.934" W	501032057500	9/26/2017	2:30 PM	2:30 PM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Once fluids reached the surface, production was immediately started.
2E-08	Routine Development	Lat: 70° 15' 32.2164" N Long: 149° 45' 27.8892" W	500292242800	11/9/2017	10:40 AM	10:40 AM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Once fluids reached the surface, production was immediately started.
2K-30	Routine Development	Lat: 70° 11' 40.589" N Long: 150° 4' 13.386" W	501032075800	9/15/2017	4:40 AM	4:40 AM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Once fluids reached the surface, production was immediately started.
2M-33	Routine Development	Lat: 70° 16' 18.588" N Long: 150° 5' 43.4004" W	501032024000	10/5/2017	12:17 PM	12:17 PM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Once fluids reached the surface, production was immediately started.
3A-01	Routine Development	Lat: 70° 24' 8.456" N Long: 149° 56' 25.289" W	500292141200	12/24/2017	12:30 AM	12:30 AM	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Once fluids reached the surface, production was immediately started.

Notes:

1. If the daily "Duration of Flowback" is listed as "0.0", this indicates the well was shut-in for the entire day and no flowback occurred. If "Duration of Flowback" is non-zero, but recovery, combustion and venting are listed as "0.0", this indicates the well did not produce any gas.
2. Wildcat, delineation and low pressure wells are not required to reporting the Duration of Recovery to Flow Line [§60.5420a(c)(1)(iii)(B)]

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Attachment 2

Fugitive Emission Component Affected Facilities [§60.5420a(b)(7)]

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Table 2-A: Fugitive Emission Component Affected Facility Records

							For OGI Camera Only		Survey Conditions		
Well Site No.	Location Name	Date of Survey	Survey Start Time	Survey End Time	Name of Survey Operator	Survey Instrument	Operator Has Company Specific OGI Training?	Duration of Operator OGI Camera Experience	Ambient Temperature (°F)	Maximum Wind Speed (MPH)	Sky Conditions
1	1A	2/9/2018	15:30	17:15	Jeff Chovanak Terry Kincaid Russ Galbriath Adam Tafova	OGI Camera	Yes	1 year 1 year 10 months 3 months	0	3	Clear
2	1B	4/30/2017	7:33	9:05	Dan Nielson	OGI Camera	Yes	1 month	15	15	Overcast
		5/6/2017	10:00	10:45	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	23	10	Overcast
		9/30/2017	6:00	7:30	Bobby Phillips	OGI Camera	Yes	2 months	34	6.5	Overcast/Light Snow
		10/1/2017	6:00	7:00	Bobby Phillips	OGI Camera	Yes	2 months	42	7	Overcast
3	1C	5/10/2017	10:00	13:30	Jeff Chovanak Terry Kincaid Russ Galbriath Jason Solsvig	OGI Camera	Yes	3 months 3 months <1 month <1 month	23	8	Overcast
		9/22/2017	18:00	20:00	Terry Kincaid	OGI Camera	Yes	7 months	36	11	Overcast
4	1D	2/4/2018	9:00	11:00	Jeff Chovanak Terry Kincaid Russ Galbriath Adam Tafova	OGI Camera	Yes	1 year 1 year 10 months 3 months	0	2	Clear
5	1E	5/9/2017	9:00	14:45	Jeff Chovanak Terry Kincaid Russ Galbriath Ryan Thrapp	OGI Camera	Yes	3 months 3 months <1 month 1 month	23	8	Overcast
		10/7/2017	18:00	20:30	Bobby Phillips	OGI Camera	Yes	2 months	40	8	Partly Cloudy
		10/8/2017	18:00	19:30	Bobby Phillips	OGI Camera	Yes	2 months	33	5	Overcast
6	1G	4/30/2017	9:10	10:15	Dan Nielson	OGI Camera	Yes	1 month	15	15	Clear
		5/6/2017	11:00	12:00	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	21	10	Overcast
		9/25/2017	17:50	20:00	Terry Kincaid	OGI Camera	Yes	7 months	34	7	Overcast
7	1H	5/7/2017	14:45	16:15	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	25	11	Overcast
		10/20/2017	17:50	20:00	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	8 months 8 months	7	10	Overcast
8	1L	5/8/2017	14:30	16:45	Jeff Chovanak Terry Kincaid Russ Galbriath Ryan Thrapp	OGI Camera	Yes	3 months 3 months <1 month 1 month	35	2	Overcast
		10/4/2017	18:00	20:00	Bobby Phillips	OGI Camera	Yes	2 months	34	6	Partly Cloudy/Light Fog
9	2A	9/6/2017	12:30	15:30	Bobby Phillips	OGI Camera	Yes	1 month	39	18	Overcast/Windy
		9/7/2017	12:20	13:00	Bobby Phillips	OGI Camera	Yes	1 month	46	7	Overcast
10	2B	4/30/2017	12:15	13:30	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	8	10	Clear
		9/7/2017	15:30	16:15	Bobby Phillips	OGI Camera	Yes	1 month	43	8	Overcast
11	2E	4/30/2017	13:45	14:30	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	10	12	Clear
		9/11/2017	12:20	14:15	Bobby Phillips	OGI Camera	Yes	1 month	46	3	Overcast
12	2G	1/15/2018	8:20	10:15	Jeff Chovanak Terry Kincaid Adam Tafova	OGI Camera	Yes	11 months 11 months 2 months	2	4	Overcast
13	2K	4/30/2017	9:30	11:00	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	6	10	Clear
		9/18/2017	13:40	15:50	Terry Kincaid Russ Galbriath	OGI Camera	Yes	7 months 7 months	37	6	Overcast

ConocoPhillips Alaska

Table 2-A: Fugitive Emission Component Affected Facility Records

							For OGI Camera Only		Survey Conditions		
Well Site No.	Location Name	Date of Survey	Survey Start Time	Survey End Time	Name of Survey Operator	Survey Instrument	Operator Has Company Specific OGI Training?	Duration of Operator OGI Camera Experience	Ambient Temperature (°F)	Maximum Wind Speed (MPH)	Sky Conditions
14	2M	4/29/2017	9:00	10:30	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	4	11	Clear
		9/13/2017	12:15	15:00	Bobby Phillips	OGI Camera	Yes	1 month	56	7	Partly Cloudy
15	2S	4/28/2017	15:30	17:15	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	6	13	Clear
		9/2/2017	12:40	15:00	Bobby Phillips	OGI Camera	Yes	1 month	46	7	Overcast
16	2T	4/29/2017	10:45	12:00	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	6	13	Clear
		9/3/2017	12:30	15:45	Bobby Phillips	OGI Camera	Yes	1 month	54	2	Clear
17	2X	4/29/2017	13:00	14:30	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	8	13	Clear
		9/4/2017	12:15	15:00	Bobby Phillips	OGI Camera	Yes	1 month	42	18.4	Overcast/Foggy
		9/5/2017	12:15	12:50	Bobby Phillips	OGI Camera	Yes	1 month	42	5	Overcast
18	2Z	5/1/2017	8:00	10:00	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	8	7	Clear
		9/5/2017	13:00	16:00	Bobby Phillips	OGI Camera	Yes	1 month	46	3	Overcast
19	3A	5/3/2017	15:30	16:45	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	16	14	Clear
		9/15/2017	18:00	19:30	Terry Kincaid	OGI Camera	Yes	7 months	41	10	Overcast
20	3F	5/5/2017	15:50	17:00	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	23	10	Clear
		10/15/2017	18:00	19:00	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	8 months 8 months	23	8	Clear
21	3G	5/5/2017	15:40	17:00	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	23	10	Overcast
		10/22/2017	18:00	19:30	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	8 months 8 months	8	1	Overcast
22	3H	5/3/2017	13:45	15:20	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	16	13	Clear
		10/25/2017	18:00	19:45	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	8 months 8 months	2	6	Overcast
23	3K	5/4/2017	15:45	16:45	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	20	9	Overcast
		10/12/2017	17:30	20:30	Bobby Phillips	OGI Camera	Yes	2 months	31	6	Overcast/Light Fog
24	3M	5/4/2017	14:00	15:30	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	19	8	Overcast
		10/9/2017	17:30	19:45	Bobby Phillips	OGI Camera	Yes	2 months	42	3.5	Partly Cloudy
25	3N	5/2/2017	13:00	14:45	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 month 3 month	15	12	Overcast
		9/24/2017	17:55	19:30	Terry Kincaid	OGI Camera	Yes	7 months	34	8	Overcast
26	3O	5/2/2017	15:00	16:30	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 months 3 months	15	12	Overcast
		9/27/2017	17:55	20:00	Terry Kincaid	OGI Camera	Yes	7 months	36	7	Clear
27	3Q	5/1/2017	15:30	16:45	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 months 3 months	12	12	Clear
		9/20/2017	18:00	20:00	Terry Kincaid	OGI Camera	Yes	7 months	35	10	Overcast
28	3R	5/1/2017	14:00	15:30	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	3 months 3 months	13	12	Clear
		9/17/2017	17:50	19:15	Terry Kincaid	OGI Camera	Yes	7 months	36	14	Overcast

ConocoPhillips Alaska

Table 2-A: Fugitive Emission Component Affected Facility Records

							For OGI Camera Only		Survey Conditions		
Well Site No.	Location Name	Date of Survey	Survey Start Time	Survey End Time	Name of Survey Operator	Survey Instrument	Operator Has Company Specific OGI Training?	Duration of Operator OGI Camera Experience	Ambient Temperature (°F)	Maximum Wind Speed (MPH)	Sky Conditions
29	3S	5/6/2017	15:00	16:30	Jeff Chovanak Terry Kincaid Russ Galbriath	OGI Camera	Yes	3 months 3 months <1 month	23	10	Overcast
		10/23/2017	17:55	19:00	Jeff Chovanak Terry Kincaid	OGI Camera	Yes	8 months 8 months	6	2	Clear

Table 2-B: Fugitive Emission Component Affected Facility Monitoring Survey Records

Well Site No.	Component Type Found Leaking	Count of Leaking Components Found	Count of Components Placed on Delay of Repair	Count of Components Repaired and Resurveyed During Intial Finding	Count of Components NOT Repaired per §60.5397a(h)	Count of Difficult-to-Monitor Components Surveyed	Count of Unsafe-to-Monitor Components Surveyed
1	Compressor	0	0	0	0	0	0
	Connector	0	0	0	0	0	0
	Flange	0	0	0	0	0	0
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	1	0	1	0	0	0
2	Compressor	0	0	0	0	0	0
	Connector	1	0	1	0	0	0
	Flange	1	0	0	0	0	0
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	0	1	0	0	0	0
3	Compressor	0	0	0	0	0	0
	Connector	2	0	0	0	0	34
	Flange	0	0	0	0	0	28
	Open-Ended Line	0	0	0	0	0	0
	Other	3	0	1	0	0	105
	Pressure Relief Device	1	0	0	0	0	0
	Valve	6	0	1	0	0	182
4	Compressor	0	0	0	0	0	0
	Connector	0	0	0	0	0	12
	Flange	0	0	0	0	0	21
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	4
	Pressure Relief Device	0	0	0	0	0	0
	Valve	4	1	0	0	0	28

Table 2-B: Fugitive Emission Component Affected Facility Monitoring Survey Records

Well Site No.	Component Type Found Leaking	Count of Leaking Components Found	Count of Components Placed on Delay of Repair	Count of Components Repaired and Resurveyed During Intial Finding	Count of Components NOT Repaired per §60.5397a(h)	Count of Difficult-to-Monitor Components Surveyed	Count of Unsafe-to-Monitor Components Surveyed
5	Compressor	0	0	0	0	0	0
	Connector	3	0	2	0	0	10
	Flange	0	0	0	0	0	28
	Open-Ended Line	0	0	0	0	0	0
	Other	3	0	1	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	9	0	1	0	0	23
6	Compressor	0	0	0	0	0	0
	Connector	0	0	0	0	0	0
	Flange	0	0	0	0	0	41
	Open-Ended Line	0	0	0	0	0	0
	Other	3	0	3	0	0	18
	Pressure Relief Device	0	0	0	0	0	0
	Valve	4	0	2	0	0	5
7	Compressor	0	0	0	0	0	0
	Connector	2	2	0	0	0	0
	Flange	0	0	0	0	0	0
	Open-Ended Line	0	0	0	0	0	0
	Other	4	0	3	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	7	3	3	0	0	0
8	Compressor	0	0	0	0	0	0
	Connector	6	0	2	0	0	4
	Flange	1	1	0	0	0	3
	Open-Ended Line	0	0	0	0	0	0
	Other	3	0	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	9	1	4	0	0	7

Table 2-B: Fugitive Emission Component Affected Facility Monitoring Survey Records

Well Site No.	Component Type Found Leaking	Count of Leaking Components Found	Count of Components Placed on Delay of Repair	Count of Components Repaired and Resurveyed During Intial Finding	Count of Components NOT Repaired per §60.5397a(h)	Count of Difficult-to-Monitor Components Surveyed	Count of Unsafe-to-Monitor Components Surveyed
9	Compressor	0	0	0	0	0	0
	Connector	5	0	3	0	0	0
	Flange	0	0	0	0	0	0
	Open-Ended Line	0	0	0	0	0	0
	Other	5	0	3	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	7	2	1	0	0	0
10	Compressor	0	0	0	0	0	0
	Connector	1	0	0	0	0	10
	Flange	0	0	0	0	0	11
	Open-Ended Line	0	0	0	0	0	0
	Other	9	3	3	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	13	4	8	0	0	21
11	Compressor	0	0	0	0	0	0
	Connector	1	0	1	0	0	6
	Flange	0	0	0	0	0	18
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	1	0	0	0	0	9
12	Compressor	0	0	0	0	0	0
	Connector	1	0	1	0	0	3
	Flange	0	0	0	0	0	12
	Open-Ended Line	0	0	0	0	0	0
	Other	1	0	1	0	0	7
	Pressure Relief Device	1	0	1	0	0	0
	Valve	10	0	7	0	0	3

Table 2-B: Fugitive Emission Component Affected Facility Monitoring Survey Records

Well Site No.	Component Type Found Leaking	Count of Leaking Components Found	Count of Components Placed on Delay of Repair	Count of Components Repaired and Resurveyed During Intial Finding	Count of Components NOT Repaired per §60.5397a(h)	Count of Difficult-to-Monitor Components Surveyed	Count of Unsafe-to-Monitor Components Surveyed
13	Compressor	0	0	0	0	0	0
	Connector	2	1	1	0	0	0
	Flange	0	0	0	0	0	1
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	9	0	8	0	0	3
14	Compressor	0	0	0	0	0	0
	Connector	1	0	1	0	0	11
	Flange	0	0	0	0	0	60
	Open-Ended Line	0	0	0	0	0	0
	Other	3	1	0	0	0	28
	Pressure Relief Device	1	0	0	0	0	0
	Valve	4	0	4	0	0	34
15	Compressor	0	0	0	0	0	0
	Connector	1	0	1	0	0	19
	Flange	3	0	1	0	0	38
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	6	0	5	0	0	55
16	Compressor	0	0	0	0	0	0
	Connector	6	0	4	0	0	46
	Flange	0	0	0	0	0	133
	Open-Ended Line	0	0	0	0	0	0
	Other	2	1	1	0	0	21
	Pressure Relief Device	0	0	0	0	0	0
	Valve	12	2	2	0	0	72

Table 2-B: Fugitive Emission Component Affected Facility Monitoring Survey Records

Well Site No.	Component Type Found Leaking	Count of Leaking Components Found	Count of Components Placed on Delay of Repair	Count of Components Repaired and Resurveyed During Intial Finding	Count of Components NOT Repaired per §60.5397a(h)	Count of Difficult-to-Monitor Components Surveyed	Count of Unsafe-to-Monitor Components Surveyed
17	Compressor	0	0	0	0	0	0
	Connector	2	0	2	0	0	0
	Flange	0	0	0	0	0	3
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	7
	Pressure Relief Device	0	0	0	0	0	0
	Valve	17	6	10	0	0	1
18	Compressor	0	0	0	0	0	0
	Connector	3	0	1	0	0	14
	Flange	0	0	0	0	0	33
	Open-Ended Line	0	0	0	0	0	0
	Other	3	0	1	0	0	5
	Pressure Relief Device	0	0	0	0	0	0
	Valve	9	3	3	0	0	32
19	Compressor	0	0	0	0	0	0
	Connector	0	0	0	0	0	0
	Flange	1	0	0	0	0	0
	Open-Ended Line	0	0	0	0	0	0
	Other	2	0	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	6	0	0	3	0	0
20	Compressor	0	0	0	0	0	0
	Connector	0	0	0	0	0	2
	Flange	0	0	0	0	0	11
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	1
	Pressure Relief Device	0	0	0	0	0	0
	Valve	4	0	2	0	0	10

Table 2-B: Fugitive Emission Component Affected Facility Monitoring Survey Records

Well Site No.	Component Type Found Leaking	Count of Leaking Components Found	Count of Components Placed on Delay of Repair	Count of Components Repaired and Resurveyed During Intial Finding	Count of Components NOT Repaired per §60.5397a(h)	Count of Difficult-to-Monitor Components Surveyed	Count of Unsafe-to-Monitor Components Surveyed
21	Compressor	0	0	0	0	0	0
	Connector	1	1	0	0	0	0
	Flange	2	0	1	0	0	0
	Open-Ended Line	0	0	0	0	0	0
	Other	4	0	2	0	0	0
	Pressure Relief Device	2	0	0	0	0	0
	Valve	6	3	1	0	0	0
22	Compressor	0	0	0	0	0	0
	Connector	2	0	0	0	0	28
	Flange	1	0	1	0	0	15
	Open-Ended Line	0	0	0	0	0	0
	Other	1	1	0	0	0	1
	Pressure Relief Device	0	0	0	0	0	0
	Valve	4	0	1	0	0	40
23	Compressor	0	0	0	0	0	0
	Connector	1	0	1	0	0	14
	Flange	1	0	0	0	0	0
	Open-Ended Line	0	0	0	0	0	5
	Other	6	0	6	0	0	2
	Pressure Relief Device	1	0	1	0	0	0
	Valve	11	0	4	0	0	21
24	Compressor	0	0	0	0	0	0
	Connector	4	0	3	0	0	10
	Flange	2	0	0	1	0	8
	Open-Ended Line	0	0	0	0	0	0
	Other	7	0	0	0	0	20
	Pressure Relief Device	0	0	0	0	0	3
	Valve	4	0	2	0	0	87

Table 2-B: Fugitive Emission Component Affected Facility Monitoring Survey Records

Well Site No.	Component Type Found Leaking	Count of Leaking Components Found	Count of Components Placed on Delay of Repair	Count of Components Repaired and Resurveyed During Intial Finding	Count of Components NOT Repaired per §60.5397a(h)	Count of Difficult-to-Monitor Components Surveyed	Count of Unsafe-to-Monitor Components Surveyed
25	Compressor	0	0	0	0	0	0
	Connector	5	4	0	0	0	2
	Flange	0	0	0	0	0	18
	Open-Ended Line	0	0	0	0	0	0
	Other	3	3	0	0	0	13
	Pressure Relief Device	0	0	0	0	0	0
	Valve	7	1	4	0	0	2
26	Compressor	0	0	0	0	0	0
	Connector	1	0	0	0	0	0
	Flange	0	0	0	0	0	0
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Pressure Relief Device	1	0	0	0	0	0
	Valve	5	0	4	0	0	0
27	Compressor	0	0	0	0	0	0
	Connector	6	0	4	1	0	0
	Flange	0	0	0	0	0	14
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	6
	Pressure Relief Device	0	0	0	1	0	0
	Valve	9	1	6	0	0	0
28	Compressor	0	0	0	0	0	0
	Connector	1	0	1	0	0	0
	Flange	0	0	0	0	0	0
	Open-Ended Line	0	0	0	0	0	0
	Other	2	1	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	1	0	1	0	0	0

Table 2-B: Fugitive Emission Component Affected Facility Monitoring Survey Records

Well Site No.	Component Type Found Leaking	Count of Leaking Components Found	Count of Components Placed on Delay of Repair	Count of Components Repaired and Resurveyed During Intial Finding	Count of Components NOT Repaired per §60.5397a(h)	Count of Difficult-to-Monitor Components Surveyed	Count of Unsafe-to-Monitor Components Surveyed
29	Compressor	0	0	0	0	0	0
	Connector	1	0	0	0	0	2
	Flange	1	0	0	0	0	11
	Open-Ended Line	0	0	0	0	0	0
	Other	0	0	0	0	0	0
	Pressure Relief Device	0	0	0	0	0	0
	Valve	4	0	0	0	0	0

Fugitive Emission Component Affected Facilities at Well Sites and Compressor Stations

ConocoPhillips Alaska

Table 2-C: Fugitive Emission Component Affected Facility Reasons for Delay of Repair

Well Site No.	Component Type Placed on Delay of Repair	Reason for Each Delay of Repair
4	Valve	Gas Lift header shutdown
7	Valve	Line heater shutdown
7	Connector	Line heater shutdown
7	Valve	Line heater shutdown
7	Valve	Line heater shutdown
7	Connector	Line heater shutdown
8	Flange	Gas Lift header shutdown
8	Valve	Gas Lift header shutdown
9	Valve	Well shutdown
9	Valve	Well shutdown
10	Valve	Well shutdown
10	Other	Well shutdown
10	Other	Well shutdown
10	Other	Well shutdown
10	Valve	Line heater shutdown
10	Valve	Line heater shutdown
10	Valve	Line heater shutdown
13	Connector	Line heater shutdown
14	Other	Line heater shutdown
16	Valve	Well shutdown
16	Other	Well shutdown
16	Valve	Line heater shutdown
17	Valve	Well shutdown
17	Valve	Line heater shutdown
17	Valve	Line heater shutdown
17	Valve	Well shutdown
17	Valve	Line heater shutdown
17	Valve	Test separator shutdown
18	Valve	Line heater shutdown
18	Valve	Line heater shutdown
18	Valve	Well shutdown
21	Connector	Line heater shutdown
21	Valve	Gas Lift header shutdown
21	Valve	Gas Lift header shutdown
21	Other	Well shutdown
25	Other	Well shutdown
25	Other	Well shutdown
25	Connector	Well shutdown
25	Connector	Well shutdown
25	Connector	Well shutdown
25	Connector	Well shutdown
25	Other	Well shutdown
25	Valve	Well site shutdown
27	Valve	Line heater shutdown
28	Other	Gas Lift header shutdown

Fugitive Emission Component Affected Facilities at Well Sites and Compressor Stations

ConocoPhillips Alaska

Table 2-D: Fugitive Emission Component Affected Facility Emission Monitoring Plan (EMP) Deviations

Well Site No.	Describe Deviation(s)
2	For one day of the survey, a digital photograph was not taken.
3	For 9 leak locations, resurvey documentation does not have a digital photograph.
6	For one leak location, resurvey documentation does not have a digital photograph.
7	For 7 leak locations, resurvey documentation does not have a digital photograph.
8	For 9 leak locations, resurvey documentation does not have a digital photograph.
9	For one leak location, resurvey documentation does not have a date on the digital photograph.
10	For six leak locations, resurvey documentation does not have a date on the digital photograph.
11	For one leak location, resurvey documentation does not have a date on the digital photograph.
13	For one leak location, resurvey documentation does not have a date on the digital photograph.
14	For three leak locations, resurvey documentation does not have a date on the digital photograph.
16	For two leak locations, resurvey documentation does not have a date on the digital photograph.
17	For three leak locations, resurvey documentation does not have a date on the digital photograph.
18	For five leak locations, resurvey documentation does not have a date on the digital photograph.
19	For three leak locations, repair was not completed 30 days after initial survey.
22	For three leak locations, resurvey documentation has no GPS coordinates.
23	For one leak location, a leak tag was removed before resurvey.
24	For one leak location, repair was not completed 30 days after initial survey.
26	For two leak locations, repair was not completed 30 days after initial survey.
27	For one leak location, repair was not completed 30 days after initial survey.

Table 2-E: Fugitive Emission Component Affected Facility Repair and Resurvey Records

Well Site No.	Component Type Found Leaking	Leak Tag ID	Date of Successful Repair	Resurvey Instrument
1	Valve	DS1A-OOOOa-2018-1A-0001	2/9/2018	OGI Camera
2	Flange	DS1B-OOOOa-2017-0013	10/1/2017	OGI Camera
2	Connector	DS1B-OOOOa-2017-0801	4/30/2017	OGI Camera
3	Other	DS1C-OOOOa-2017-0265	5/17/2017	Method 21 (Soap solution)
3	Other	DS1C-OOOOa-2017-0266	5/18/2017	Method 21 (Soap solution)
3	Pressure Relief Device	DS1C-OOOOa-2017-0267	5/18/2017	Method 21 (Soap solution)
3	Valve	DS1C-OOOOa-2017-0337	10/1/2017	OGI Camera
3	Valve	DS1C-OOOOa-2017-0363	5/18/2017	Method 21 (Soap solution)
3	Valve	DS1C-OOOOa-2017-0364	5/18/2017	Method 21 (Soap solution)
3	Valve	DS1C-OOOOa-2017-0365	5/18/2017	Method 21 (Soap solution)
3	Connector	DS1C-OOOOa-2017-0366	5/18/2017	Method 21 (Soap solution)
3	Valve	DS1C-OOOOa-2017-0367	5/28/2017	Method 21 (Soap solution)
3	Other	DS1C-OOOOa-2017-1C-1001	9/22/2017	OGI Camera
3	Valve	DS1C-OOOOa-2017-1C-1002	9/22/2017	OGI Camera
3	Connector	DS1C-OOOOa-2017-OGI-201	5/18/2017	Method 21 (Soap solution)
4	Valve	DS1D-OOOOa-2018-0006	2/11/2018	OGI Camera
4	Valve	DS1D-OOOOa-2018-0221	Pending	-
4	Valve	DS1D-OOOOa-2018-0222	2/12/2018	OGI Camera
4	Valve	DS1D-OOOOa-2018-1D-0001	2/9/2018	OGI Camera
5	Other	DS1E-OOOOa-2017-0014	10/11/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-0015	10/11/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-0016	10/11/2017	OGI Camera
5	Other	DS1E-OOOOa-2017-0017	10/11/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-0023	10/11/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-0024	10/11/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-0025	10/11/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-0040	10/12/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-0083	10/11/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-0092	10/11/2017	OGI Camera
5	Connector	DS1E-OOOOa-2017-0362	5/14/2017	OGI Camera
5	Other	DS1E-OOOOa-2017-1E-1000	10/7/2017	OGI Camera
5	Connector	DS1E-OOOOa-2017-1E-1001	10/7/2017	OGI Camera
5	Valve	DS1E-OOOOa-2017-1E-1002	10/7/2017	OGI Camera
5	Connector	DS1E-OOOOa-2017-1E-1003	10/8/2017	OGI Camera
6	Valve	DS1G-OOOOa-2017-0029	9/29/2017	OGI Camera
6	Valve	DS1G-OOOOa-2017-0067	5/18/2017	Method 21 (Soap solution)
6	Other	DS1G-OOOOa-2017-1G-1000	9/25/2017	OGI Camera
6	Other	DS1G-OOOOa-2017-1G-1001	9/25/2017	OGI Camera
6	Valve	DS1G-OOOOa-2017-1G-1002	9/25/2017	OGI Camera
6	Other	DS1G-OOOOa-2017-1G-1003	9/25/2017	OGI Camera
6	Valve	DS1G-OOOOa-2017-1G-1004	9/25/2017	OGI Camera
7	Valve	DS1H-OOOOa-2017-0044	7/16/2017	Method 21 (Soap solution)
7	Valve	DS1H-OOOOa-2017-0069	5/18/2017	Method 21 (Soap solution)
7	Other	DS1H-OOOOa-2017-0071	5/18/2017	Method 21 (Soap solution)
7	Connector	DS1H-OOOOa-2017-0072	7/16/2017	Method 21 (Soap solution)
7	Valve	DS1H-OOOOa-2017-0073	7/16/2017	Method 21 (Soap solution)
7	Valve	DS1H-OOOOa-2017-0074	7/16/2017	Method 21 (Soap solution)
7	Connector	DS1H-OOOOa-2017-0082	7/16/2017	Method 21 (Soap solution)
7	Other	DS1H-OOOOa-2017-1H-1000	10/20/2017	OGI Camera

Table 2-E: Fugitive Emission Component Affected Facility Repair and Resurvey Records

Well Site No.	Component Type Found Leaking	Leak Tag ID	Date of Successful Repair	Resurvey Instrument
7	Valve	DS1H-OOOOa-2017-1H-1001	10/20/2017	OGI Camera
7	Other	DS1H-OOOOa-2017-1H-1002	10/20/2017	OGI Camera
7	Valve	DS1H-OOOOa-2017-1H-1003	10/20/2017	OGI Camera
7	Valve	DS1H-OOOOa-2017-1H-1004	10/20/2017	OGI Camera
7	Other	DS1H-OOOOa-2017-1H-1005	10/20/2017	OGI Camera
8	Flange	DS1L-OOOOa-2017-0020	Pending	-
8	Valve	DS1L-OOOOa-2017-0038	10/8/2017	OGI Camera
8	Connector	DS1L-OOOOa-2017-0041	10/8/2017	OGI Camera
8	Connector	DS1L-OOOOa-2017-0357	5/18/2017	Method 21 (Soap solution)
8	Connector	DS1L-OOOOa-2017-0358	5/18/2017	Method 21 (Soap solution)
8	Valve	DS1L-OOOOa-2017-0359	Pending	-
8	Other	DS1L-OOOOa-2017-0360	5/18/2017	Method 21 (Soap solution)
8	Valve	DS1L-OOOOa-2017-0361	5/18/2017	Method 21 (Soap solution)
8	Other	DS1L-OOOOa-2017-0395	5/18/2017	Method 21 (Soap solution)
8	Other	DS1L-OOOOa-2017-0396	5/18/2017	Method 21 (Soap solution)
8	Connector	DS1L-OOOOa-2017-0399	5/18/2017	Method 21 (Soap solution)
8	Valve	DS1L-OOOOa-2017-0400	5/18/2017	Method 21 (Soap solution)
8	Valve	DS1L-OOOOa-2017-1L-1000	10/4/2017	OGI Camera
8	Connector	DS1L-OOOOa-2017-1L-1001	10/4/2017	OGI Camera
8	Connector	DS1L-OOOOa-2017-1L-1002	10/4/2017	OGI Camera
8	Valve	DS1L-OOOOa-2017-1L-1003	10/4/2017	OGI Camera
8	Valve	DS1L-OOOOa-2017-1L-1004	10/4/2017	OGI Camera
8	Valve	DS1L-OOOOa-2017-1L-1005	10/4/2017	OGI Camera
8	Valve	DS1L-OOOOa-2017-OGI-201	5/18/2017	Method 21 (Soap solution)
9	Valve	DS2A-OOOOa-2017-0009	9/25/2017	Method 21 (Soap solution)
9	Other	DS2A-OOOOa-2017-0010	9/25/2017	Method 21 (Soap solution)
9	Valve	DS2A-OOOOa-2017-0011	9/25/2017	Method 21 (Soap solution)
9	Connector	DS2A-OOOOa-2017-0012	9/29/2017	Method 21 (Soap solution)
9	Valve	DS2A-OOOOa-2017-0018	9/20/2017	Method 21 (Soap solution)
9	Other	DS2A-OOOOa-2017-0019	9/18/2017	Method 21 (Soap solution)
9	Connector	DS2A-OOOOa-2017-0021	9/18/2017	Method 21 (Soap solution)
9	Valve	DS2A-OOOOa-2017-0263	9/25/2017	Method 21 (Soap solution)
9	Valve	DS2A-OOOOa-2017-0326	9/25/2017	Method 21 (Soap solution)
9	Valve	DS2A-OOOOa-2017-0347	9/20/2017	Method 21 (Soap solution)
9	Other	DS2A-OOOOa-2017-1000	9/6/2017	OGI Camera
9	Other	DS2A-OOOOa-2017-1001	9/6/2017	OGI Camera
9	Other	DS2A-OOOOa-2017-1002	9/6/2017	OGI Camera
9	Connector	DS2A-OOOOa-2017-1003	9/6/2017	OGI Camera
9	Connector	DS2A-OOOOa-2017-1004	9/6/2017	OGI Camera
9	Valve	DS2A-OOOOa-2017-1005	9/6/2017	OGI Camera
9	Connector	DS2A-OOOOa-2017-1006	9/6/2017	OGI Camera
10	Other	DS2B-OOOOa-2017-0054	5/11/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-0055	9/7/2017	OGI Camera
10	Other	DS2B-OOOOa-2017-0056	9/20/2017	Method 21 (Soap solution)
10	Other	DS2B-OOOOa-2017-0057	9/20/2017	Method 21 (Soap solution)
10	Other	DS2B-OOOOa-2017-0058	11/28/2017	Method 21 (Soap solution)
10	Other	DS2B-OOOOa-2017-0059	5/11/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-0060	5/31/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-0061	5/31/2017	OGI Camera

Table 2-E: Fugitive Emission Component Affected Facility Repair and Resurvey Records

Well Site No.	Component Type Found Leaking	Leak Tag ID	Date of Successful Repair	Resurvey Instrument
10	Valve	DS2B-OOOOa-2017-0075	Pending	-
10	Connector	DS2B-OOOOa-2017-0330	9/16/2017	Method 21 (Soap solution)
10	Other	DS2B-OOOOa-2017-0331	9/20/2017	Method 21 (Soap solution)
10	Valve	DS2B-OOOOa-2017-0340	9/28/2017	Method 21 (Soap solution)
10	Other	DS2B-OOOOa-2017-2B-1000	9/7/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-2B-1001	9/7/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-2B-1002	9/7/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-2B-1003	9/7/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-2B-1004	9/7/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-2B-1005	9/7/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-2B-1006	9/7/2017	OGI Camera
10	Other	DS2B-OOOOa-2017-2B-1007	9/7/2017	OGI Camera
10	Other	DS2B-OOOOa-2017-OGI-01	4/30/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-OGI-02	4/30/2017	OGI Camera
10	Valve	DS2B-OOOOa-2017-OGI-03	4/30/2017	OGI Camera
11	Valve	DS2E-OOOOa-2017-0339	9/30/2017	Method 21 (Soap solution)
11	Connector	DS2E-OOOOa-2017-2E-1000	9/11/2017	OGI Camera
12	Valve	DS2G-OOOOa-2018-0026	1/25/2018	Method 21 (Soap solution)
12	Valve	DS2G-OOOOa-2018-0027	1/25/2018	Method 21 (Soap solution)
12	Valve	DS2G-OOOOa-2018-0028	1/25/2018	Method 21 (Soap solution)
12	Valve	DS2G-OOOOa-2018-0218	1/16/2018	OGI Camera
12	Valve	DS2G-OOOOa-2018-0219	1/16/2018	OGI Camera
12	Valve	DS2G-OOOOa-2018-0223	1/16/2018	OGI Camera
12	Valve	DS2G-OOOOa-2018-0224	1/16/2018	OGI Camera
12	Valve	DS2G-OOOOa-2018-0225	1/16/2018	OGI Camera
12	Connector	DS2G-OOOOa-2018-0260	1/16/2018	OGI Camera
12	Pressure Relief Device	DS2G-OOOOa-2018-0290	1/16/2018	OGI Camera
12	Valve	DS2G-OOOOa-2018-0354	1/16/2018	OGI Camera
12	Valve	DS2G-OOOOa-2018-0355	1/16/2018	OGI Camera
12	Other	DS2G-OOOOa-2018-0356	1/16/2018	OGI Camera
13	Connector	DS2K-OOOOa-2017-0053	5/22/2017	Method 21 (Soap solution)
13	Valve	DS2K-OOOOa-2017-0324	9/30/2017	Method 21 (Soap solution)
13	Valve	DS2K-OOOOa-2017-2K-0001	9/18/2017	OGI Camera
13	Valve	DS2K-OOOOa-2017-2K-0002	9/18/2017	OGI Camera
13	Valve	DS2K-OOOOa-2017-2K-0003	9/18/2017	OGI Camera
13	Valve	DS2K-OOOOa-2017-2K-0004	9/18/2017	OGI Camera
13	Connector	DS2K-OOOOa-2017-2K-0005	9/18/2017	OGI Camera
13	Valve	DS2K-OOOOa-2017-2K-0006	9/18/2017	OGI Camera
13	Valve	DS2K-OOOOa-2017-2K-0007	9/18/2017	OGI Camera
13	Valve	DS2K-OOOOa-2017-2K-0008	9/18/2017	OGI Camera
13	Valve	DS2K-OOOOa-2017-OGI-01	4/30/2017	OGI Camera
14	Other	DS2M-OOOOa-2017-0085	Pending	-
14	Other	DS2M-OOOOa-2017-0321	9/30/2017	Method 21 (Soap solution)
14	Other	DS2M-OOOOa-2017-0322	9/30/2017	Method 21 (Soap solution)
14	Pressure Relief Device	DS2M-OOOOa-2017-0323	10/2/2017	Method 21 (Soap solution)
14	Valve	DS2M-OOOOa-2017-1000	9/13/2017	OGI Camera
14	Valve	DS2M-OOOOa-2017-1001	9/13/2017	OGI Camera
14	Valve	DS2M-OOOOa-2017-1002	9/13/2017	OGI Camera
14	Valve	DS2M-OOOOa-2017-1003	9/13/2017	OGI Camera

Table 2-E: Fugitive Emission Component Affected Facility Repair and Resurvey Records

Well Site No.	Component Type Found Leaking	Leak Tag ID	Date of Successful Repair	Resurvey Instrument
14	Connector	DS2M-OOOOa-2017-1004	9/13/2017	OGI Camera
15	Valve	DS2S-OOOOa-2017-0001	9/2/2017	OGI Camera
15	Valve	DS2S-OOOOa-2017-0002	9/2/2017	OGI Camera
15	Valve	DS2S-OOOOa-2017-0003	9/2/2017	OGI Camera
15	Flange	DS2S-OOOOa-2017-0004	9/2/2017	OGI Camera
15	Connector	DS2S-OOOOa-2017-0005	9/2/2017	OGI Camera
15	Valve	DS2S-OOOOa-2017-0006	9/2/2017	OGI Camera
15	Valve	DS2S-OOOOa-2017-0007	9/2/2017	OGI Camera
15	Flange	DS2S-OOOOa-2017-0315	9/16/2017	Method 21 (Soap solution)
15	Flange	DS2S-OOOOa-2017-0316	9/20/2017	Method 21 (Soap solution)
15	Valve	DS2S-OOOOa-2017-0317	9/16/2017	Method 21 (Soap solution)
16	Connector	DS2T-OOOOa-2017-0001	9/3/2017	OGI Camera
16	Valve	DS2T-OOOOa-2017-0002	9/3/2017	OGI Camera
16	Connector	DS2T-OOOOa-2017-0003	9/3/2017	OGI Camera
16	Valve	DS2T-OOOOa-2017-0086	5/31/2017	OGI Camera
16	Other	DS2T-OOOOa-2017-0087	11/11/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0306	9/21/2017	Method 21 (Soap solution)
16	Connector	DS2T-OOOOa-2017-0307	9/21/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0308	9/22/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0309	9/22/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0310	9/22/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0311	9/22/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0312	9/22/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0313	9/22/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0314	9/22/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-0318	11/8/2017	Method 21 (Soap solution)
16	Connector	DS2T-OOOOa-2017-0320	9/21/2017	Method 21 (Soap solution)
16	Valve	DS2T-OOOOa-2017-OGI-01	4/29/2017	OGI Camera
16	Connector	DS2T-OOOOa-2017-OGI-02	4/29/2017	OGI Camera
16	Other	DS2T-OOOOa-2017-OGI-03	4/29/2017	OGI Camera
16	Connector	DS2T-OOOOa-2017-OGI-04	4/29/2017	OGI Camera
17	Connector	DS2X-OOOOa-2017-0001	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0002	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0003	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0004	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0005	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0006	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0007	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0008	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0009	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0010	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0011	9/4/2017	OGI Camera
17	Connector	DS2X-OOOOa-2017-0012	9/4/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0088	5/31/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0089	11/17/2017	Method 21 (Soap solution)
17	Valve	DS2X-OOOOa-2017-0090	Pending	-
17	Valve	DS2X-OOOOa-2017-0095	5/31/2017	OGI Camera
17	Valve	DS2X-OOOOa-2017-0380	9/29/2017	Method 21 (Soap solution)
17	Valve	DS2X-OOOOa-2017-0381	Pending	-

Table 2-E: Fugitive Emission Component Affected Facility Repair and Resurvey Records

Well Site No.	Component Type Found Leaking	Leak Tag ID	Date of Successful Repair	Resurvey Instrument
17	Valve	DS2X-OOOOa-2017-0382	9/24/2017	Method 21 (Soap solution)
18	Valve	DS2Z-OOOOa-2017-0001	10/2/2017	Method 21 (Soap solution)
18	Valve	DS2Z-OOOOa-2017-0004	9/14/2017	Method 21 (Soap solution)
18	Connector	DS2Z-OOOOa-2017-0005	9/22/2017	Method 21 (Soap solution)
18	Valve	DS2Z-OOOOa-2017-0077	5/2/2017	OGI Camera
18	Valve	DS2Z-OOOOa-2017-0346	11/8/2017	Method 21 (Soap solution)
18	Other	DS2Z-OOOOa-2017-0377	9/15/2017	Method 21 (Soap solution)
18	Other	DS2Z-OOOOa-2017-0378	9/28/2017	Method 21 (Soap solution)
18	Valve	DS2Z-OOOOa-2017-0379	11/6/2017	Method 21 (Soap solution)
18	Connector	DS2Z-OOOOa-2017-0394	9/28/2017	Method 21 (Soap solution)
18	Valve	DS2Z-OOOOa-2017-0397	9/22/2017	Method 21 (Soap solution)
18	Valve	DS2Z-OOOOa-2017-1001	9/5/2017	OGI Camera
18	Other	DS2Z-OOOOa-2017-1002	9/5/2017	OGI Camera
18	Valve	DS2Z-OOOOa-2017-1003	9/5/2017	OGI Camera
18	Connector	DS2Z-OOOOa-2017-1004	9/5/2017	OGI Camera
18	Valve	DS2Z-OOOOa-2017-1005	9/5/2017	OGI Camera
19	Flange	DS3A-OOOOa-2017-0022	5/18/2017	OGI Camera
19	Valve	DS3A-OOOOa-2017-0043	5/18/2017	OGI Camera
19	Valve	DS3A-OOOOa-2017-0048	5/18/2017	OGI Camera
19	Valve	DS3A-OOOOa-2017-0049	6/5/2017	OGI Camera
19	Valve	DS3A-OOOOa-2017-0050	6/5/2017	OGI Camera
19	Valve	DS3A-OOOOa-2017-0091	6/5/2017	OGI Camera
19	Other	DS3A-OOOOa-2017-0093	5/18/2017	OGI Camera
19	Valve	DS3A-OOOOa-2017-0348	10/8/2017	OGI Camera
19	Other	DS3A-OOOOa-2017-0349	9/27/2017	OGI Camera
20	Valve	DS3F-OOOOa-2017-0063	5/17/2017	OGI Camera
20	Valve	DS3F-OOOOa-2017-0376	5/17/2017	OGI Camera
20	Valve	DS3F-OOOOa-2017-OGI-100	5/5/2017	OGI Camera
20	Valve	DS3F-OOOOa-2017-OGI-101	5/5/2017	OGI Camera
21	Valve	DS3G-OOOOa-2017-0062	5/21/2017	OGI Camera
21	Connector	DS3G-OOOOa-2017-0259	Pending	-
21	Valve	DS3G-OOOOa-2017-0345	Pending	-
21	Other	DS3G-OOOOa-2017-0368	5/21/2017	OGI Camera
21	Flange	DS3G-OOOOa-2017-0369	5/18/2017	OGI Camera
21	Valve	DS3G-OOOOa-2017-0370	5/18/2017	OGI Camera
21	Other	DS3G-OOOOa-2017-0371	5/21/2017	OGI Camera
21	Pressure Relief Device	DS3G-OOOOa-2017-0372	5/23/2017	OGI Camera
21	Pressure Relief Device	DS3G-OOOOa-2017-0373	5/23/2017	OGI Camera
21	Valve	DS3G-OOOOa-2017-0374	5/18/2017	OGI Camera
21	Valve	DS3G-OOOOa-2017-0383	Pending	-
21	Other	DS3G-OOOOa-2017-3G-1000	10/22/2017	OGI Camera
21	Flange	DS3G-OOOOa-2017-3G-1001	10/22/2017	OGI Camera
21	Other	DS3G-OOOOa-2017-OGI-100	5/5/2017	OGI Camera
21	Valve	DS3G-OOOOa-2017-OGI-101	5/5/2017	OGI Camera
22	Connector	DS3H-OOOOa-2017-0035	11/19/2017	OGI Camera
22	Valve	DS3H-OOOOa-2017-0036	11/11/2017	OGI Camera
22	Connector	DS3H-OOOOa-2017-0042	5/18/2017	OGI Camera
22	Valve	DS3H-OOOOa-2017-0046	5/18/2017	OGI Camera
22	Valve	DS3H-OOOOa-2017-0070	5/18/2017	OGI Camera

Table 2-E: Fugitive Emission Component Affected Facility Repair and Resurvey Records

Well Site No.	Component Type Found Leaking	Leak Tag ID	Date of Successful Repair	Resurvey Instrument
22	Other	DS3H-OOOOa-2017-0353	Pending	-
22	Valve	DS3H-OOOOa-2017-3H-1000	10/25/2017	OGI Camera
22	Flange	DS3H-OOOOa-2017-3H-1001	10/25/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-0030	10/14/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-0080	5/18/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-0220	10/14/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-0389	5/18/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-0390	5/18/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-0391	5/18/2017	OGI Camera
23	Flange	DS3K-OOOOa-2017-0392	5/18/2017	OGI Camera
23	Other	DS3K-OOOOa-2017-3K-1000	10/12/2017	OGI Camera
23	Connector	DS3K-OOOOa-2017-3K-1001	10/12/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-3K-1002	10/12/2017	OGI Camera
23	Pressure Relief Device	DS3K-OOOOa-2017-3K-1003	10/12/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-3K-1004	10/12/2017	OGI Camera
23	Other	DS3K-OOOOa-2017-3K-1005	10/12/2017	OGI Camera
23	Other	DS3K-OOOOa-2017-3K-1006	10/12/2017	OGI Camera
23	Other	DS3K-OOOOa-2017-3K-1007	10/12/2017	OGI Camera
23	Other	DS3K-OOOOa-2017-3K-1008	10/12/2017	OGI Camera
23	Other	DS3K-OOOOa-2017-3K-1009	10/12/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-3K-1010	10/12/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-3K-1011	10/12/2017	OGI Camera
23	Valve	DS3K-OOOOa-2017-OGI-101	5/19/2017	OGI Camera
24	Other	DS3M-OOOOa-2017-0037	10/18/2017	OGI Camera
24	Other	DS3M-OOOOa-2017-0047	5/19/2017	OGI Camera
24	Other	DS3M-OOOOa-2017-0064	5/19/2017	OGI Camera
24	Other	DS3M-OOOOa-2017-0065	5/19/2017	OGI Camera
24	Other	DS3M-OOOOa-2017-0094	10/18/2017	OGI Camera
24	Other	DS3M-OOOOa-2017-0254	10/19/2017	OGI Camera
24	Other	DS3M-OOOOa-2017-0255	10/18/2017	OGI Camera
24	Valve	DS3M-OOOOa-2017-0384	5/19/2017	OGI Camera
24	Flange	DS3M-OOOOa-2017-0385	6/7/2017	OGI Camera
24	Valve	DS3M-OOOOa-2017-0386	5/19/2017	OGI Camera
24	Connector	DS3M-OOOOa-2017-0387	5/19/2017	OGI Camera
24	Flange	DS3M-OOOOa-2017-0388	5/19/2017	OGI Camera
24	Connector	DS3M-OOOOa-2017-3M-1000	10/9/2017	OGI Camera
24	Connector	DS3M-OOOOa-2017-3M-1001	10/9/2017	OGI Camera
24	Valve	DS3M-OOOOa-2017-3M-1002	10/9/2017	OGI Camera
24	Connector	DS3M-OOOOa-2017-3M-1003	10/9/2017	OGI Camera
24	Valve	DS3M-OOOOa-2017-3M-1004	10/9/2017	OGI Camera
25	Other	DS3N-OOOOa-2017-0078	10/23/2017	OGI Camera
25	Other	DS3N-OOOOa-2017-0079	10/23/2017	OGI Camera
25	Connector	DS3N-OOOOa-2017-0096	10/23/2017	OGI Camera
25	Connector	DS3N-OOOOa-2017-0097	10/23/2017	OGI Camera
25	Connector	DS3N-OOOOa-2017-0098	10/23/2017	OGI Camera
25	Connector	DS3N-OOOOa-2017-0099	10/23/2017	OGI Camera
25	Other	DS3N-OOOOa-2017-0100	10/23/2017	OGI Camera
25	Connector	DS3N-OOOOa-2017-0335	10/3/2017	OGI Camera
25	Valve	DS3N-OOOOa-2017-0336	10/3/2017	OGI Camera

Table 2-E: Fugitive Emission Component Affected Facility Repair and Resurvey Records

Well Site No.	Component Type Found Leaking	Leak Tag ID	Date of Successful Repair	Resurvey Instrument
25	Valve	DS3N-OOOOa-2017-0338	10/3/2017	OGI Camera
25	Valve	DS3N-OOOOa-2017-3N-1001	9/24/2017	OGI Camera
25	Valve	DS3N-OOOOa-2017-OGI-01	Pending	-
25	Valve	DS3N-OOOOa-2017-OGI-02	5/2/2017	OGI Camera
25	Valve	DS3N-OOOOa-2017-OGI-03	5/2/2017	OGI Camera
25	Valve	DS3N-OOOOa-2017-OGI-04	5/2/2017	OGI Camera
26	Valve	DS-3O-OOOOa-2017-0039	10/4/2017	OGI Camera
26	Pressure Relief Device	DS3O-OOOOa-2017-0066	6/22/2017	OGI Camera
26	Connector	DS3O-OOOOa-2017-0084	10/3/2017	OGI Camera
26	Valve	DS3O-OOOOa-2017-3O-1001	9/27/2017	OGI Camera
26	Valve	DS3O-OOOOa-2017-3O-1002	9/27/2017	OGI Camera
26	Valve	DS3O-OOOOa-2017-3O-1003	9/27/2017	OGI Camera
26	Valve	DS3O-OOOOa-2017-OGI-01	5/2/2017	OGI Camera
27	Valve	DS3Q-OOOOa-2017-0076	Pending	-
27	Connector	DS3Q-OOOOa-2017-0081	5/18/2017	OGI Camera
27	Connector	DS3Q-OOOOa-2017-0325	Pending	-
27	Valve	DS3Q-OOOOa-2017-0333	9/26/2017	OGI Camera
27	Valve	DS3Q-OOOOa-2017-0334	9/26/2017	OGI Camera
27	Connector	DS3Q-OOOOa-2017-3Q-1001	9/20/2017	OGI Camera
27	Valve	DS3Q-OOOOa-2017-3Q-1002	9/20/2017	OGI Camera
27	Valve	DS3Q-OOOOa-2017-3Q-1003	9/20/2017	OGI Camera
27	Valve	DS3Q-OOOOa-2017-3Q-1004	9/20/2017	OGI Camera
27	Connector	DS3Q-OOOOa-2017-3Q-1005	9/20/2017	OGI Camera
27	Valve	DS3Q-OOOOa-2017-3Q-1006	9/20/2017	OGI Camera
27	Valve	DS3Q-OOOOa-2017-OGI-01	5/1/2017	OGI Camera
27	Valve	DS3Q-OOOOa-2017-OGI-02	5/1/2017	OGI Camera
27	Connector	DS3Q-OOOOa-2017-OGI-03	5/1/2017	OGI Camera
27	Connector	DS3Q-OOOOa-2017-OGI-04	5/1/2017	OGI Camera
28	Other	DS3R-OOOOa-2017-0002	Pending	-
28	Connector	DS3R-OOOOa-2017-0003	5/1/2017	OGI Camera
28	Other	DS3R-OOOOa-2017-0350	9/20/2017	OGI Camera
28	Valve	DS3R-OOOOa-2017-OGI-01	5/1/2017	OGI Camera
29	Valve	DS3S-OOOOa-2017-0045	6/1/2017	OGI Camera
29	Valve	DS3S-OOOOa-2017-0051	6/1/2017	OGI Camera
29	Connector	DS3S-OOOOa-2017-0052	5/19/2017	OGI Camera
29	Valve	DS3S-OOOOa-2017-0068	5/19/2017	OGI Camera
29	Valve	DS3S-OOOOa-2017-0393	5/21/2017	OGI Camera
29	Flange	DS3S-OOOOa-2017-0398	5/21/2017	OGI Camera