220

OCT 23 2019

October 21, 2019

Mr. Muhammad Zaman
Air Quality Program Manager
PADEP – Northcentral Regional Office
208 West Third Street, Suite 101
Williamsport, PA 17701

Certified Mail Tracking No.
7014 1200 0001 3187 6533

Air Enf. & Comp. Assistance – NSPS
Air Protection Division
US EPA Region III
1650 Arch Street (3AP00)
Philadelphia, PA 19103

Certified Mail Tracking No.
7014 1200 0001 3187 6540

RE: ARD Operating, LLC
Annual Compliance Report – 40 CFR 60 Subpart OOOOa
OOOOa Reporting Period: August 2, 2018 – August 2, 2019
Annual Compliance Report – 40 CFR 60 Subpart OOOO
OOOO Reporting Period: October 15, 2018 – October 15, 2019

To Whom It May Concern:

ARD Operating, LLC (Alta) hereby submits the annual compliance report for affected facilities subject to New Source Performance Standards (NSPS) 40 CFR 60 Subpart OOOOa. In order to streamline reporting, Alta is also submitting the annual compliance report for affected facilities under NSPS Subpart OOOO.

The NSPS OOOOa affected facilities contained within this report include those that commenced construction[1] between September 18, 2015 and August 2, 2018. The reciprocating compressors contained within this report are subject to NSPS OOOO, with the exception of the Lycoming H&FC CS.

With regard to fugitives monitoring, no monitoring surveys were waived under §60.5397a(g)(5). Alta does not operate any centrifugal compressor affected facilities, pneumatic pump affected facilities, pneumatic controller affected facilities[2], storage vessel affected facilities[3], processing unit affected facilities, or sweetening unit affected facilities as defined in NSPS OOOOa. Fugitive monitoring surveys were conducted at the Lycoming H&FC CS, as outlined in the attached report.

Should you have any questions, please contact me at (570) 979-1239 or by email at mbeacker@alta-resources.com.

Sincerely,

Morgan Beacker
HSE – Air Quality Specialist

Attachments

[1]For the purposes of wells, 'commenced construction' corresponds to start of flowback (i.e. well completion).
[2]Alta does operate pneumatic controllers constructed after September 18, 2015, but they are either intermittent or low-bleed devices (or powered by air). As such, they are not pneumatic controller affected facilities under the rule.
[3]Alta does operate storage vessels constructed after September 18, 2015, but VOC emissions from these vessels are less than 6.0 tpy. As such, they are not storage vessel affected facilities under the rule.

NSPS OOOO Annual Report

Pursuant to 40 CFR §60.5420(b)

Company Information

§60.5420(b)(1)

Company Name: **ARD Operating, LLC (Alta)**

Company Mailing Address:	33 West Third Street, Suite 300	Williamsport	PA	17701
	Street Address	City	State	Zip Code

For information regarding this report please contact the following:

Contact Name: **Morgan Beacker**

Contact Phone Number: **(570) 979-1239**

Contact Email Address: mbeacker@alta-resources.com

Reporting Period

Compliance Period Start Date:	**October 15, 2018**
Compliance Period End Date:	**October 15, 2019**
Date Report Submitted by:	**October 31, 2019**

Certification By a Certifying Official

Statement of Certification: Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

Name of Certifying Official:	**Morgan Beacker**
Title of Certifying Official:	**HSE - Air Quality Specialist**
Email Address:	mbeacker@alta-resources.com
Phone Number:	**(570) 979-1239**
Signature:	Morgan Beacker
Signature Date:	10/18/2019

NSPS OOOOa Annual Report

Pursuant to 40 CFR §60.5420a(b)

Company Information

§60.5420a(b)(1)

Company Name:	**ARD Operating, LLC (Alta)**

Company Mailing Address:	**33 West Third Street, Suite 300**	**Williamsport**	**PA**	**17701**
	Street Address	City	State	Zip Code

For information regarding this report please contact the following:

Contact Name: **Morgan Beacker**

Contact Phone Number: **(570) 979-1239**

Contact Email Address: mbeacker@alta-resources.com

Reporting Period

Compliance Period Start Date:	**August 2, 2018**
Compliance Period End Date:	**August 2, 2019**
Date Report Submitted by:	**October 31, 2019**

Certification By a Certifying Official

Statement of Certification: Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

Name of Certifying Official:	**Morgan Beacker**
Title of Certifying Official:	**HSE - Air Quality Specialist**
Email Address:	mbeacker@alta-resources.com
Phone Number:	**(570) 979-1239**
Signature:	Morgan Beacker
Signature Date:	10/18/2019

List of Affected Facilities
§60.5420(b) and §60.5420a(b)

API Number/Permit No.	Facility Name	Well/Equipment Name	Latitude	Longitude	State Number	State	County Number	County	Region	Affected Facility Type(s) (Place an "X" in every column that applies)			
										Well	Reciprocating Compressor	Collection of Fugitive Emission Components at a Well Site	Collection of Fugitive Emission Components at a Compressor Station
081-21700	Mac North A	201H	41.445067	-76.930150	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21699	Alden Evans A	202H	41.445067	-76.930206	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21455	Kenmar HC A	2H	41.377386	-77.209625	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21705	Brooks Family	201H	41.428680	-76.945300	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21707	Brooks Family	202H	41.428636	-76.945308	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21702	Mountain Meadow B	7H	41.513750	-76.974592	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21701	Mountain Meadow A	1H	41.512669	-76.979867	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-20412	Thomas E Smith	6H	41.404169	-76.983544	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-20443	Don J Davis A	2H	41.400878	-76.959233	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21704	Brooks Family	203H	41.428594	-76.945319	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-20673	COP 356 G	1037H	41.334450	-77.349558	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-20675	COP 356 G	1039H	41.334453	-77.349447	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-20676	COP 356 G	1040H	41.334456	-77.349394	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21533	COP 356 G	1042H	41.334458	-77.349283	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21532	COP 356 G	1041H	41.334458	-77.349339	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-20501	Harry W Stryker A	2H	41.422389	-77.187658	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-20502	Harry W Stryker A	4H	41.422389	-77.187767	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21011	Harry W Stryker A	5H	41.422389	-77.187822	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21012	Harry W Stryker A	6H	41.422389	-77.187875	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21019	Kenneth L Martin A	1H	41.438347	-77.188067	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21020	Kenneth L Martin A	3H	41.438356	-77.187958	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21021	Kenneth L Martin A	5H	41.438361	-77.187847	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21728	Elbow F&G C	14H	41.378308	-77.229872	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21711	Elbow F&G C	15H	41.378317	-77.229819	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21708	Elbow F&G C	16H	41.378322	-77.229764	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21712	Elbow F&G C	17H	41.378328	-77.229711	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21729	Elbow F&G C	213H	41.378242	-77.229853	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21730	Elbow F&G C	214H	41.378250	-77.229800	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
081-21731	Elbow F&G C	215H	41.378253	-77.229744	37	Pennsylvania	81	Lycoming	PADEP NCRO	X			
GPS-41-632B	COP Tract 685 Compressor Station	Unit A	41.428680	-76.945300	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-632B	COP Tract 685 Compressor Station	Unit B	41.428636	-76.945308	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-632B	COP Tract 685 Compressor Station	Unit C	41.513750	-76.974592	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-632B	COP Tract 685 Compressor Station	Unit D	41.512669	-76.979867	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-18-193B	COP Tract 285 Compressor Station	Unit A	41.369167	-77.562222	37	Pennsylvania	35	Clinton	PADEP NCRO		X		
GPS-18-193B	COP Tract 285 Compressor Station	Unit C	41.369167	-77.562222	37	Pennsylvania	35	Clinton	PADEP NCRO		X		
GPS-41-626C	COP Tract 289 Compressor Station	Unit A	41.404169	-76.983544	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-626C	COP Tract 289 Compressor Station	Unit B	41.404169	-76.983544	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-626C	COP Tract 289 Compressor Station	Unit C	41.404169	-76.983544	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-626C	COP Tract 289 Compressor Station	Unit D	41.382778	-77.53139	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-633A	Larry's Creek Compressor Station	Unit 1	41.367661	-77.28973	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-633A	Larry's Creek Compressor Station	Unit 2	41.367661	-77.28973	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-633A	Larry's Creek Compressor Station	Unit 3	41.367661	-77.28973	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
GPS-41-660B	Lycoming H&J C Compressor Station	Unit 1	41.413139	-77.14189	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		X
GPS-41-660B	Lycoming H&J C Compressor Station	Unit 2	41.413139	-77.14189	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		X
GPS-41-724A	Vargo Compressor Station	Unit 1	41.425447	-76.94445	37	Pennsylvania	81	Lycoming	PADEP NCRO		X		
N/A	Larry's Creek F&G Pad G	Larry's Creek F&G Pad G Wellpad	41.338208	-77.216603	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Kenmar HC Pad A	Kenmar HC Pad A Wellpad	41.377386	-77.209625	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Mac Pad A	Mac Pad A Wellpad	41.445067	-76.930150	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Don J Davis Pad A	Don J Davis Pad A Wellpad	41.400878	-76.959233	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Brooks Family Pad A	Brooks Family Pad A Wellpad	41.428678	-76.945294	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Thomas E Smith Pad A	Thomas E Smith Pad A Wellpad	41.404169	-76.983544	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	COP Tract 356 Pad G	COP Tract 356 Pad G Wellpad	41.334456	-77.349394	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Mountain Meadows Pad A	Mountain Meadows Pad A Wellpad	41.512669	-76.979867	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Mountain Meadows Pad B	Mountain Meadows Pad B Wellpad	41.513750	-76.974592	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Kenneth L Martin Pad A	Kenneth L Martin Pad A Wellpad	41.438347	-77.188067	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Harry W Stryker Pad A	Harry W Stryker Pad A Wellpad	41.422389	-77.187875	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	
N/A	Elbow F&G Pad C	Elbow F&G Pad C Wellpad	41.378328	-77.229711	37	Pennsylvania	81	Lycoming	PADEP NCRO			X	

* Under NSPS, source relocation does not impact affected facility status.

Well Completion Records

§60.5420a(c)

API Number/Permit No.	Facility Name	Well/Equipment Name	Latitude	Longitude	Date and Time of Onset of Flowback Following Hydraulic Fracturing	Date and Time of Each Attempt to Direct Flowback to a Separator	Date and Time of Each Occurrence of Returning to the Initial Flowback Stage	Date and Time for the Startup of Production	Duration of Flowback in Hours	Duration of Recovery in Hours (Not required for delineation, wild cat, or low-pressure gas wells)	Disposition of Recovery (Not required for delineation, wild cat, or low-pressure gas wells)	Duration of Combustion in Hours	Duration of Venting in Hours	Reason for Venting in lieu of Capture or Combustion
081-21019	Kenneth L Martin A	1H	41.438347	-77.188067	10/23/18 13:45	10/24/18 0:00	N/A	10/24/18 0:00	135	126	To Sales	0	0	N/A
081-21020	Kenneth L Martin A	3H	41.438356	-77.187958	10/23/18 13:50	10/23/18 22:00	N/A	10/23/18 22:00	135	128	To Sales	0	0	N/A
081-21021	Kenneth L Martin A	5H	41.438361	-77.187847	10/23/18 13:55	10/23/18 21:00	N/A	10/23/18 21:00	135	129	To Sales	0	0	N/A
081-21728	Elbow F&G C	14H	41.378308	-77.229872	8/12/19 20:45	8/13/19 11:40	N/A	8/13/19 11:40	177	175	To Sales	0	0	N/A
081-21711	Elbow F&G C	15H	41.378317	-77.229819	8/12/19 20:48	8/13/19 11:44	N/A	8/13/19 11:44	184	174	To Sales	0	0	N/A
081-21708	Elbow F&G C	16H	41.378322	-77.229764	8/12/19 20:50	8/13/19 12:45	N/A	8/13/19 12:45	180	173	To Sales	0	0	N/A
081-21712	Elbow F&G C	17H	41.378328	-77.229711	8/12/19 20:53	8/13/19 12:50	N/A	8/13/19 12:50	182	173	To Sales	0	0	N/A
081-21729	Elbow F&G C	213H	41.378242	-77.229853	8/12/19 21:40	8/13/19 9:50	N/A	8/13/19 9:50	220	219	To Sales	0	0	N/A
081-21730	Elbow F&G C	214H	41.37825	-77.2298	8/12/19 21:05	8/13/19 11:20	N/A	8/13/19 11:20	223	220	To Sales	0	0	N/A
081-21731	Elbow F&G C	215H	41.378253	-77.229744	8/12/19 21:40	8/13/19 10:15	N/A	8/13/19 10:15	219	217	To Sales	0	0	N/A

Reciprocating Compressor Affected Facilities

§60.5420(b)(4) and §60.5420a(b)(4)

Facility Name	Equipment ID	Permit No.	Operations Tracking - 60.5420(b)(4)(i) and 60.5420a(b)(4)(i)				Deviations to Report? (If deviations occurred put an "X". If not leave blank)
			Tracking Operations (Hours or Months)	Are Emissions From the Rod Packing Unit Being Routed to a Process Through a Closed Vent System Under Negative Pressure?	Last Rod Packing Service During the Reporting Period?	Cumulative Number of Months/Hours of Operation Since Initial Startup or the Previous Rod Packing Replacement (Whichever is Later)?	
COP Tract 685 Compressor Station	Unit A - Throw 1	GP5-41-632B	Months	No	10/13/2017	~24 months	
COP Tract 685 Compressor Station	Unit A - Throw 2	GP5-41-632B	Months	No	9/27/2017	~25 months	
COP Tract 685 Compressor Station	Unit A - Throw 3	GP5-41-632B	Months	No	7/1/2017	~28 months	
COP Tract 685 Compressor Station	Unit A - Throw 4	GP5-41-632B	Months	No	7/1/2017	~28 months	
COP Tract 685 Compressor Station	Unit B - Throw 1	GP5-41-632B	Months	No	3/1/2018	~20 months	
COP Tract 685 Compressor Station	Unit B - Throw 2	GP5-41-632B	Months	No	3/1/2018	~20 months	
COP Tract 685 Compressor Station	Unit B - Throw 3	GP5-41-632B	Months	No	3/1/2018	~20 months	
COP Tract 685 Compressor Station	Unit B - Throw 4	GP5-41-632B	Months	No	3/1/2018	~20 months	
COP Tract 685 Compressor Station	Unit C - Throw 1	GP5-41-632B	Months	No	1/24/2017	~33 months	
COP Tract 685 Compressor Station	Unit C - Throw 2	GP5-41-632B	Months	No	1/24/2017	~33 months	
COP Tract 685 Compressor Station	Unit C - Throw 3	GP5-41-632B	Months	No	1/24/2017	~33 months	
COP Tract 685 Compressor Station	Unit C - Throw 4	GP5-41-632B	Months	No	1/24/2017	~33 months	
COP Tract 685 Compressor Station	Unit D - Throw 1	GP5-41-632B	Months	No	8/1/2019	~3 months	
COP Tract 685 Compressor Station	Unit D - Throw 2	GP5-41-632B	Months	No	8/1/2019	~3 months	
COP Tract 685 Compressor Station	Unit D - Throw 3	GP5-41-632B	Months	No	8/1/2019	~3 months	
COP Tract 685 Compressor Station	Unit D - Throw 4	GP5-41-632B	Months	No	8/1/2019	~3 months	
COP Tract 285 Compressor Station	Unit 1 - Throw 1	GP5-18-193B	Months	No	5/1/2018	~18 months	
COP Tract 285 Compressor Station	Unit 1 - Throw 2	GP5-18-193B	Months	No	5/1/2018	~18 months	
COP Tract 285 Compressor Station	Unit 1 - Throw 3	GP5-18-193B	Months	No	5/1/2018	~18 months	
COP Tract 285 Compressor Station	Unit 1 - Throw 4	GP5-18-193B	Months	No	5/1/2018	~18 months	
COP Tract 285 Compressor Station	Unit 3 - Throw 1	GP5-18-193B	Months	No	6/1/2017	~29 months	
COP Tract 285 Compressor Station	Unit 3 - Throw 2	GP5-18-193B	Months	No	6/1/2017	~29 months	
COP Tract 285 Compressor Station	Unit 3 - Throw 3	GP5-18-193B	Months	No	6/1/2017	~29 months	
COP Tract 285 Compressor Station	Unit 3 - Throw 4	GP5-18-193B	Months	No	6/1/2017	~29 months	
COP Tract 289 Compressor Station	Unit A - Throw 1	GP5-41-626C	Months	No	10/17/2016	~24 months	
COP Tract 289 Compressor Station	Unit A - Throw 2	GP5-41-626C	Months	No	4/4/2018	~19 months	
COP Tract 289 Compressor Station	Unit A - Throw 3	GP5-41-626C	Months	No	10/17/2016	~24 months	
COP Tract 289 Compressor Station	Unit A - Throw 4	GP5-41-626C	Months	No	4/4/2018	~19 months	
COP Tract 289 Compressor Station	Unit B - Throw 1	GP5-41-626C	Months	No	10/1/2019	~1 month	
COP Tract 289 Compressor Station	Unit B - Throw 2	GP5-41-626C	Months	No	10/1/2019	~1 month	
COP Tract 289 Compressor Station	Unit B - Throw 3	GP5-41-626C	Months	No	10/1/2019	~1 month	
COP Tract 289 Compressor Station	Unit B - Throw 4	GP5-41-626C	Months	No	10/1/2019	~1 month	
COP Tract 289 Compressor Station	Unit C - Throw 1	GP5-41-626C	Months	No	1/15/2017	~33 months	
COP Tract 289 Compressor Station	Unit C - Throw 2	GP5-41-626C	Months	No	5/31/2017	~29 months	
COP Tract 289 Compressor Station	Unit C - Throw 3	GP5-41-626C	Months	No	1/15/2017	~33 months	
COP Tract 289 Compressor Station	Unit C - Throw 4	GP5-41-626C	Months	No	1/15/2017	~33 months	
COP Tract 289 Compressor Station	Unit D - Throw 1	GP5-41-626C	Months	No	4/2/2018	~19 months	
COP Tract 289 Compressor Station	Unit D - Throw 2	GP5-41-626C	Months	No	1/12/2018	~21 months	
COP Tract 289 Compressor Station	Unit D - Throw 3	GP5-41-626C	Months	No	4/2/2018	~19 months	
COP Tract 289 Compressor Station	Unit D - Throw 4	GP5-41-626C	Months	No	4/2/2018	~19 months	
Larry's Creek Compressor Station	Unit 1	GP5-41-633A	Months	No	2/9/2017	~33 months	
Larry's Creek Compressor Station	Unit 2	GP5-41-633A	Months	No	2/9/2018	~21 months	
Larry's Creek Compressor Station	Unit 3	GP5-41-633A	Months	No	2/10/2018	~21 months	
Lycoming H&FC Compressor Station	Unit 1	GP5-41-660B	Months	No	12/12/2017	~22 months	
Lycoming H&FC Compressor Station	Unit 2	GP5-41-660B	Months	No	9/28/2018	~13 months	
Vargo Compressor Station	Unit 1	GP5-41-724A	Months	No	9/28/2018	~13 months	

Collection of Fugitive Emissions Components at a Well Site

§60.5420a(b)(7)

Facility Name	Survey Information												
	Date (b)(7)(i)	Beginning and End Time (b)(7)(ii)	Name of OGI Operator (b)(7)(iii)	Ambient Temperature, Sky Conditions and Maximum Wind Speed (b)(7)(iv)	Monitoring Instrument (b)(7)(v)	Deviations (or Statement of No Deviations) (b)(7)(vi)	Number and Type of Components for Which Emissions Were Detected (b)(7)(vii)	Number and Type of Components Not Repaired as Required (b)(7)(viii)	Number and Type of DTM & UTM Components Monitored (b)(7)(ix)	Date of Successful Leak Repairs (b)(7)(x)	Number and Type of Components Placed on DOR and Explanation (b)(7)(xi)	Type of Instrument Used to Resurvey a Repaired Component (not during the initial finding) (b)(7)(xii)	Comments
COP Tract 356 Pad G	11/21/2018	8:15-9:15	Phil Corl	25°F, Cloudy, 5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	3 leaks, Fuel supply 1st cut big joe regulator 1041H senior fitting leaking 1042H big joe leaking out of gasket	None	None	11/30/2018 11/21/2018 11/21/2018	None	Soapy water	None
COP Tract 356 Pad G	4/8/2019	1:00-2:00	Phil Corl	50°F, Sunny, 5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	1 leak, 1042H GPU 1/2" valve packing leaking	None	None	4/8/2019	None	Soapy water	None
Brooks Family Pad A	4/3/2019	11:00-12:30	Phil Corl	54°F, Sunny, 5-10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Brooks Family Pad A	9/13/2019	11:15-12:15	Phil Corl	57°F, Overcast, 5-10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	2 leaks, 201H GPU rupture disc union venting out of hole 203H GPU big joe gasket leaking	None	None	9/15/2019	None	Soapy water	None
Don J Davis Pad A	11/8/2018	10:30-11:30	Phil Corl	43°F, Partly cloudy, 10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Don J Davis Pad A	3/19/2019	2:40-3:30	Phil Corl	45°F, Sunny, 5-10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Don J Davis Pad A	9/13/2019	1:10-1:30	Phil Corl	59°F, Overcast, 5-10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Elbow F&G Pad C	9/11/2019	12:00-1:00	Phil Corl	82°F, Sunny, 0-5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	4 leaks, 214H GPU rupture disc union vent hole 215H GPU sand trap valve packing 16H GPU high level switch 2" bull 17H 2" big joe venting	None	None	9/26/2019 9/12/2019 9/12/2019 9/12/2019	None	Soapy water	None
Harry W Stryker Pad A	10/23/2018	12:00-1:30	Phil Corl	54°F, Sunny, 5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	3 leaks, 2H GPU rupture disc union weep hole 2H GPU 1" union 4H GPU 1" hammer union	None	None	10/23/2018	None	Soapy water	None
Harry W Stryker Pad A	6/12/2019	12:00-1:00	Phil Corl	70°F, Sunny, 5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Harry W Stryker Pad A	9/26/2019	10:00-11:00	Phil Corl	57°F, Overcast, 0-5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Kenmar HC Pad A	10/17/2018	12:15-2:00	Phil Corl	48°F, Partly cloudy, 6 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	2 leaks, 1H 330 regulator 2H 630 big joe regulator	None	None	10/17/2018	None	Soapy water	None
Kenmar HC Pad A	4/29/2019	3:45-4:30	Phil Corl	55°F, Sunny, 5-10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	1 leak, 1H GPU 1" pipeine (fuel gas)	None	None	5/8/2019	None	Soapy water	None
Kenneth L Martin Pad A	11/9/2018	8:30-10:00	Phil Corl	36°F, Light snow, 5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Kenneth L Martin Pad A	6/12/2019	1:15-2:15	Phil Corl	70°F, Sunny, 5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Kenneth L Martin Pad A	9/26/2019	8:30-10:00	Phil Corl	57°F, Overcast, 0 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Larry's Creek F&G Pad G	10/17/2018	10:00-11:30	Phil Corl	45°F, Sunny, 5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Larry's Creek F&G Pad G	6/14/2019	8:30-9:30	Phil Corl	74°F, Rain mist, 0 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Mac North Pad A	11/8/2018	1:40-2:30	Phil Corl	46°F, Partly cloudy, 5 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	2 leaks, Mac A 201H GPU 1" hammer union Mac A 201H GPU 1" elbow	None	None	11/9/2018	None	Soapy water	None
Mac North Pad A	4/3/2019	1:15-1:45	Phil Corl	54°F, Sunny, 5-10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Mac North Pad A	9/13/2019	10:30-11:30	Phil Corl	59°F, Overcast, 5-10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	1 leak, 201H GPU 1.2" needle valve leaking on plug	None	None	9/13/2019	None	Soapy water	None
Mountain Meadow Pad A	4/15/2019	9:45-10:30	Phil Corl	34°F, Cloudy, 2 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	1 leak, A1H GPU 1st cut 630 regulator venting	None	None	4/15/2019	None	Soapy water	None
Mountain Meadow Pad B	4/15/2019	10:30-10:35	Phil Corl	34°F, Cloudy, 2 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Thomas E Smith Pad A	11/8/2018	11:30-12:15	Phil Corl	45°F, Partly cloudy, 10 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Thomas E Smith Pad A	3/18/2019	3:20-4:30	Phil Corl	36°F, Cloudy, 0 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	None	N/A	N/A	N/A	N/A	Soapy water	None
Thomas E Smith Pad A	9/13/2019	12:30-1:15	Phil Corl	36°F, Cloudy, 0 mph wind	FLIR GF320 OGI Camera	There were no deviations from the monitoring plan	3 leaks, 6H GPU 1" thread on edge 6H GPU 1" thread pipe outlet from bath 6H GPU 1/2" plug	None	None	9/19/2019 9/19/2019 9/13/2019	None	Soapy water	None

Notes:

Collection of Fugitive Emissions Components at a Compressor Station

§60.5420a(b)(7)

Facility Name	Legal Entity	Survey Information												
		Date (b)(7)(i)	Beginning and End Time (b)(7)(ii)	Name, Training and Experience of OGI Operator (b)(7)(iii)	Ambient Temperature, Sky Conditions and Maximum Wind Speed (b)(7)(iv)	Monitoring Instrument (b)(7)(v)	Deviations (or Statement of No Deviations) (b)(7)(vi)	Number and Type of Components for Which Emissions Were Detected (b)(7)(vii)	Number and Type of Components Not Repaired as Required (b)(7)(viii)	Number and Type of DTM & UTM Components Monitored (b)(7)(ix)	Date of Successful Leak Repairs (b)(7)(x)	Number and Type of Components Placed on DOR and Explanation (b)(7)(xi)	Type of Instrument Used to Resurvey a Repaired Component (not during the initial finding) (b)(7)(xii)	Comments
Lycoming H&FC Compressor Station	ARD Operating, LLC	11/15/2018	9:00-11:35	Morgan Beacker, ITC Certified	31°F, sunny, 5-10 mph wind	FLIR GF320 OGI Camera	None	6 leaks	None	None	7/31/2019	5 - Units #1 and #2 leaks require shutdown and unit blowdown to repair	Soapy water	The Unit #1 leaks were repaired at/by the first scheduled shutdown following the OGI camera survey on 01/17/2019. The Unit #2 repairs were completed by 07/31/2019. The delay leak remains on delay of repair.
Lycoming H&FC Compressor Station	ARD Operating, LLC	3/12/2019	9:24-10:55	Morgan Beacker, ITC Certified	25°F, sunny, 0-5 mph wind	FLIR GF320 OGI Camera	None	4 leaks	None	None	7/31/2019	4 - Unit #2 leaks and delay leak require shutdown and unit blowdown to repair	Soapy water	The 3 Unit #2 leaks were repaired at/by the first scheduled shutdown following the OGI camera survey. All repairs were completed by 07/31/2019. The delay leak remains on delay of repair.
Lycoming H&FC Compressor Station	ARD Operating, LLC	6/19/2019	8:40-10:15	Morgan Beacker, ITC Certified	65°F, sunny, 0-5 mph wind	FLIR GF320 OGI Camera	None	5 leaks	None	None	7/31/2019	5 - Unit #2, delay, and produced water tank leaks require shutdown and unit blowdown to repair	Soapy water	The 3 Unit #2 leaks were repaired at/by the first scheduled shutdown following the OGI camera survey. All repairs were completed by 07/31/2019. The delay and produced water tank leaks remain on delay of repair.
Lycoming H&FC Compressor Station	ARD Operating, LLC	8/29/2019	6:38-7:56	Morgan Beacker, ITC Certified	52°F, sunny, 0-5 mph wind	FLIR GF320 OGI Camera	None	5 leaks	None	None	Delay of repair	5 - Unit #2, delays #1 and #2, and produced water tank leak require shutdown and unit blowdown to repair	Soapy water	The Unit #2, delays #1 and #2, and produced water tank leaks remain on delay of repair. All repairs will be completed at the next scheduled station shutdown.

Notes:

1. The remaining compressor stations reported under this annual report are not subject to OOOOa fugitive emissions monitoring requirements as they were constructed prior to September 18, 2015 or are located on well pads.