PETROSHARE

October 22, 2019

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Enforcement and Compliance Assurance Division

Air and Toxics Technical Enforcement Program
Office of Enforcement, Compliance, and Environmental Justice
Environmental Protection Agency Region 8
Mail Stop: 8ENF-AT
1595 Wynkoop Street
Denver, Colorado 80202-1129

Subject: **Annual Compliance Report, 40 CFR Subpart OOOOa**
PetroShare Corp.
Englewood, Colorado

To Whom It May Concern:

Attached please find a completed Annual Compliance Report under 40 Code of Federal Regulations (CFR) §60.5420a (b). In accordance with 40 CFR 60.5420a(b)(11), this report is being submitted directly to Region 8. This report covers the reporting period of August 2, 2018 through August 1, 2019 and includes the following:

- The Subpart OOOOa draft report template, supplied by the US Environmental Protection Agency (EPA) via its website, containing the information specified in §60.5420a (b).
  - This report is filed early as an initial annual report for the affected facilities to maintain the reporting schedule close the original annual deadline.
- A signed responsible official certification form.

Please contact me at (303) 500-1160 or FWitsell@Petrosharecorp.com if you have any questions or require additional information.

Sincerely,

(b) (6) [redacted]

Fred Witsell
President

Enclosures

Responsible Official

Name: (Last) Witsell (First) Fred (MI) _____

Title: President

Company Representing: PetroShare Corp.

Street or P.O. Box: 9635 Maroon Circle, Suite 400

City: Englewood State: Colorado ZIP: 80112

Telephone (303) 500 – 1160 Facsimile (303) 770 – 6885

Certification of Truth, Accuracy and Completeness (to be signed by the responsible official)

I certify under penalty of law, based on information and belief formed after reasonable inquiry, the statements and information contained in these documents are true, accurate and complete.

Name (signed): (b) (6) [redacted]

Name (typed): Fred Witsell Date: 10 / 21 / 19

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 - 60.5420a(b) Annual Report

For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

				SITE INFORMATION							ALTERNATIVE ADDRESS INFORMATION (IF NO PHYSICAL ADDRESS AVAILABLE FOR SITE *)			REPORTING INFORMATION		PE Certification	ADDITIONAL INFORMATION	
Facility Record No. * **(Field value will automatically generate if a value is not entered.)**	Company Name * (§60.5420a(b)(1)(i))	Facility Site Name * (§60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i))	Address of Affected Facility * (§60.5420a(b)(1)(i))	Address 2	City *	County *	State Abbreviation *	Zip Code *	Responsible Agency Facility ID (State Facility Identifier)	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))	Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Ending Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (§60.5420a(b)(12)) Please provide only one file per record.	Please enter any additional information.	Enter associated file name reference.
	e.g.: ABC Company	e.g.: XYZ Compressor Station	e.g.: 12-345-67890-12	e.g.: 123 Main Street	e.g.: Suite 100	e.g.: Brooklyn	e.g.: Kings County	e.g.: NY	e.g.: 11221		e.g.: 7 miles NE of the intersection of Hwy 123 and Hwy 456	e.g.: 34.12345	e.g.: -101.12345	e.g.: 01/01/2016	e.g.: 06/30/2016	e.g.: Certification.pdf or XYZCompressorStation.pdf		e.g.: addlinfo.zip or XYZCompressorStation.pdf
1	PetroShare Corp.	Shook 3-10-1NCH	05-001-09975	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W	(b) (9) [redacted]		10/16/2018	8/1/2019	N/A	N/A	N/A
2	PetroShare Corp.	Shook 3-10-3NBH	05-001-09977	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
3	PetroShare Corp.	Shook 3-10-2NAH	05-001-09972	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
4	PetroShare Corp.	Shook 3-10-4NBH	05-001-09976	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
5	PetroShare Corp.	Shook 3-10-1NBH	05-001-09970	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
6	PetroShare Corp.	Shook 3-10-4CDH	05-001-09974	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
7	PetroShare Corp.	Shook 3-10-1NAH	05-001-09978	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
8	PetroShare Corp.	Shook 3-10-2CDH	05-001-09973	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
9	PetroShare Corp.	Shook 3-10-2NCH	05-001-09980	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
10	PetroShare Corp.	Shook 3-10-6CDH	05-001-09981	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
11	PetroShare Corp.	Shook 3-10-1CDH	05-001-09968	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
12	PetroShare Corp.	Shook 3-10-3CDH	05-001-09969	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
13	PetroShare Corp.	Shook 3-10-2NBH	05-001-09971	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A
14	PetroShare Corp.	Shook 3-10-5CDH	05-001-09979	N/A	N/A	N/A	Adams	CO	N/A	TBD	NWSE Sec. 3 T1S R67W			10/16/2018	8/1/2019	N/A	N/A	N/A

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 - 60.5420a(b) Annual Report
For each storage vessel affected facility, an owner or operator must include the information specified in paragraphs (b)(6)(i) through (vii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

													Storage Vessels Constructed, Modifi				
Facility Record No. * (Select from dropdown list - *may need to scroll up*)	Storage Vessel ID * (§60.5420a(b)(1)(ii) and §60.5420a(b)(6)(i))	Was the storage vessel constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(6)(i))	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))	If new affected facility or if returned to service during the reporting period, provide documentation of the VOC emission rate determination according to §60.5365a(e).* (§60.5420a(b)(6)(ii))	Records of deviations where the storage vessel was not operated in compliance with requirements * (§60.5420a(b)(6)(iii) and §60.5420a(c)(5)(iii))	Have you met the requirements specified in §60.5410a(h)(2) and (3)?* (§60.5420a(b)(6)(iv))	Removed from service during the reporting period? * (§60.5420a(b)(6)(v))	If removed from service, the date removed from service. * (§60.5420a(b)(6)(v))	Returned to service during the reporting period? * (§60.5420a(b)(6)(vi))	If returned to service, the date returned to service. * (§60.5420a(b)(6)(vi))	Make of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Model of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Serial Number of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Date of Purchase * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(B))	Copy of Purchase Order * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(C))
	e.g.: Tank 125	e.g.: modified	e.g.: 34.12345	e.g.: -101.12345	e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information.	e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the storage vessel.	e.g.: Yes	e.g.: Yes	e.g.: 11/15/16	e.g.: Yes	e.g.: 11/15/16	e.g.: Incinerator Guy	e.g.: 400 Combustor	e.g.: 123B3D392	e.g.: 12/10/16	e.g.: purchase_order.pdf or XYZCompressorStation.pdf
1-14	Tank 001	N/A	(b) (9) [redacted]		N/A - Not a new affected facility and not ret	None	Yes	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1-14	Tank 002	N/A			N/A - Not a new affected facility and not ret	None	Yes	No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

ed, Reconstructed or Returned to Service During Reporting Period that Comply with §60.5395a(a)(2) with a Control Device Tested Under § 60.5413a(d)							
Latitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(D))	Longitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(D))	Inlet Gas Flow Rate * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(E))	Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(1)) Please provide only one file per record.	Please provide the file name that contains the Records of No Visible Emissions Periods Greater Than 1 Minute During Any 15-Minute Period * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(2)) Please provide only one file per record.	Please provide the file name that contains the Records of Maintenance and Repair Log * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(3)) Please provide only one file per record.	Please provide the file name that contains the Records of Visible Emissions Test Following Return to Operation From Maintenance/Repair Activity * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(4)) Please provide only one file per record.	Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(5)) Please provide only one file per record.
e.g.: 34.12340	e.g.: -101.12340	e.g.: 3000 scfh	e.g.: pilotflame.pdf or XYZCompressorStation.pdf	e.g.: noemissions.pdf or XYZCompressorStation.pdf	e.g.: maintainlog.pdf or XYZCompressorStation.pdf	e.g.: emistest.pdf or XYZCompressorStation.pdf	e.g.: manufinsruct.pdf or XYZCompressorStation.pdf
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 - 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 within the company-defined area, an owner or operator must include the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of Each Affected Facility * (§60.5420a(b)(1))	Date of Survey * (§60.5420a(b)(7)(i))	Survey Begin Time * (§60.5420a(b)(7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(iii))	Ambient Temperature During Survey * (§60.5420a(b)(7)(iv))	Sky Conditions During Survey * (§60.5420a(b)(7)(iv))	Maximum Wind Speed During Survey * (§60.5420a(b)(7)(iv))	Monitoring Instrument Used * (§60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Number of Each Component Type for which Fugitive Emissions Detected * (§60.5420a(b)(7)(viii))	Type of Component Not Repaired as Required in §60.5397a(h) * (§60.5420a(b)(7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))	Type of Difficult-to-Monitor Components Monitored * (§60.5420a(b)(7)(ix))	Number of Each Difficult-to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Type of Unsafe-to-Monitor Component Monitored * (§60.5420a(b)(7)(ix))
	e.g.: Well Site ABC	e.g.: 8/13/17	e.g.: 10:00 am	e.g.: 1:00 pm	e.g.: John Smith	e.g.: 90°F	e.g.: Sunny, no clouds	e.g.: 2 mph	e.g.: Company ABC optical gas imaging camera	e.g.: None	e.g.: Valve	e.g.: 3	e.g.: Valve	e.g.: 1	e.g.: Valve	e.g.: 1	e.g.:Valve
1 to 14	Shook	2/22/2019	10:30	11:09	(b) (6) [redacted]	30	100% Overcast	7.3	FLIR GF320	None	Valve		1 Valve		1 NA	NA	NA
1 to 14	Shook	8/14/2019	11:45	12:35		81	5% Overcast	4.2	FLIR GF320	None	None	NA	NA	NA	NA	NA	NA

						OGI	Compressor Station Affected Facility Only	
Number of Each Unsafe-to Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Date of Successful Repair of Fugitive Emissions Component * (§60.5420a(b)(7)(x))	Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Number of Each Component Type Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Explanation for Delay of Repair * (§60.5420a(b)(7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))	Training and Experience of Surveyor * (§60.5420a(b)(7)(iii))	Was a monitoring survey waived under § 60.5397a(g)(5)? * (§60.5420a(b)(7))	If a monitoring survey was waived, the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived. * (§60.5420a(b)(7))
e.g.: 1	e.g.: 11/10/16	e.g.: Valve	e.g.: 1	e.g.: Unsafe to repair until next shutdown	e.g.: Company ABC optical gas imaging camera	e.g.: Trained thermographer; completed 40-hour course at XYZ Training Center. Has 10 years of experience with OGI surveys.	e.g.: Yes	e.g.: January; February; and March
NA	3/26/2019	NA	NA	NA	FLIR GF320	Infrared Training Center ID# 83009/ Since 2014	NA	NA
NA	NA	NA	NA	NA	NA	Infrared Training Center ID# 83009/ Since 2014	NA	NA