

6320 Rothway, Suite 100, Houston, Texas 77040 Telephone: (713) 734-3090 Fax: (713) 734-3391

www.CRAworld.com

April 29, 2015 Reference No. 082715

Mr. Jay Fedczak
Assistant Director for Permitting
Division of Air Quality
WV Department of Environmental Protection
601 57th Street, SE
Charleston, West Virginia 25304

Dear Mr. Jay Fedczak:

Re: General Permit G70A Class I Administrative Update Application

Balli Well Pad

Antero Resources Corporation

Conestoga-Rovers & Associates (CRA) would like to submit this General Permit Class I Administrative Update application that we prepared on behalf of Antero Resources Corporation for an oil and gas facility identified as Balli Well Pad.

The Class I Administrative Update is requested due to the proposed change in the manufacturer of the enclosed combustor from Abutec to Cimarron. This change will not result in any changes to the nature and quantity of emissions.

Enclosed are the following documents:

- Original copy of the G70-A General Permit Class I Administrative Update Application
- One CD copy of the G70-A General Permit Class I Administrative Update Application

Please let us know if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Manuel Bautista

Encl.

cc: Barry Schatz, Antero Resources Corporation

Equal Employment Opportunity Employer



www.CRAworld.com







General Permit Application G70-A Class I Administrative Update

Change in enclosed combustor from Abutec to Cimarron brand

Balli Well Pad

Prepared for: Antero Resources Corporation

Conestoga-Rovers & Associates

6320 Rothway, Suite 100 Houston, Texas 77040



Table of Contents

G70-A General Permit Class I Administrative Update

Attachment G Emission Unit Data Sheets/G70-A Section Applicability Form

Attachment H Air Pollution Control Device Data Sheet

Attachment O Emissions Summary Sheet

The Attachment letter identifiers consistent with the G70-A application guidance and instructions were maintained for easier identification/reference.



^{*} Note: Except for Attachments G and O, other attachments with no changes from previous permit application or not applicable were not included in this submittal. Attachments G and O were included only for easy reference.



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY 601 57th Street, SE

601 57" Street, SE Charleston, WV 25304

Phone: (304) 926-0475 * www.dep.wv.gov/daq

APPLICATION FOR GENERAL PERMIT REGISTRATION

CONSTRUCT, MODIFY, RELOCATE OR ADMINISTRATIVELY UPDATE A STATIONARY SOURCE OF AIR POLLUTANTS

CONSTRUCTION MODIFICATION	RELOCATION 🔀 CLASS I ADMINISTRATIVE UPDATE
	NISTRATIVE UPDATE
CHECK WHICH TYPE OF GENERAL PE	RMIT REGISTRATION YOU ARE APPLYING FOR:
☐ G10-D – Coal Preparation and Handling ☐ G20-B – Hot Mix Asphalt ☐ G30-D – Natural Gas Compressor Stations ☐ G33-A – Spark Ignition Internal Combustion Engines ☐ G35-A – Natural Gas Compressor Stations (Flare/Glycol Dehydrat	G40-C - Nonmetallic Minerals Processing G50-B - Concrete Batch G60-C - Class II Emergency Generator G65-C - Class I Emergency Generator G70-A - Class II Oil and Natural Gas Production Facility
SECTION I. GI	ENERAL INFORMATION
Name of applicant (as registered with the WV Secretary of State's Antero Resources Corporation	Office): 2. Federal Employer ID No. (FEIN): 80-0162034
3. Applicant's mailing address: 1615 Wynkoop St. Parver CO 80303	Applicant's physical address: 1.1 miles from the intersection of Stone Valley Rd
Denver, CO, 80202	and Co Rte 36/1 in Doddridge County, WV
5. If applicant is a subsidiary corporation, please provide the name of	f parent corporation:
6. WV BUSINESS REGISTRATION. Is the applicant a resident of the	e State of West Virginia?
 IF YES, provide a copy of the Certificate of Incor change amendments or other Business Registr 	poration/ Organization / Limited Partnership (one page) including any name ation Certificate as Attachment A.
 IF NO, provide a copy of the Certificate of Authorized amendments or other Business Certificate as A 	ority / Authority of LLC / Registration (one page) including any name change attachment A.
SECTION II. F.	ACILITY INFORMATION
7. Type of plant or facility (stationary source) to be constructed, modified, relocated or administratively updated (e.g., coal	8a. Standard Industrial AND 8b. North American Industry Classification
preparation plant, primary crusher, etc.): Natural Gas and Oil Production facility	Classification (SIC) code: 1311 System (NAICS) code: 211111
DAQ Plant ID No. (for existing facilities only):	10. List all current 45CSR13 and other General Permit numbers associated with this process (for existing facilities only):
<u>017-00145</u>	<u>G70-A131</u>

A: PRIMARY OPERATING SITE INFORMATION

<u> </u>					
11A. Facility name of primary operating site:	12A. Address of primary operating site:				
Balli Well Pad	Valley Rd and Co Rte 36/1, head west	on Co Rte 36/1 and go 1.1 m	section of Stone ni, keep right onto		
		posed site? XE	S □ NO		
- IF TES, please explain: Antero is is	easing the mineral rights for this site				
- IF NO , YOU ARE NOT ELIGIBLE FOR A PE	RMIT FOR THIS SOURCE.				
14A. – For Modifications or Administrative U nearest state road;	pdates at an existing facility, please provide d	irections to the present location	of the facility from the		
 For Construction or Relocation permits, MAP as Attachment F. 	please provide directions to the proposed new	site location from the nearest s	ate road. Include a		
From the intersection of Stone Valley Rd and Rd and go 0.3 mi to reach destination on the		and go 1.1 mi, keep right on	to Ramsey Ridge		
15A. Nearest city or town:	16A. County:	17A. UTM Coordinates:			
West Union	Doddridge	Northing (KM): 4350.3154 Easting (KM): 513.4866 Zone: 17 N			
18A. Briefly describe the proposed new operation	or change (s) to the facility:	19A. Latitude & Longitude Coordinates (NAD83,			
Change in manufacturer of enclosed combustor from	m Abutec to Cimarron				
	Mailing:N/A				
B: 1 ST ALTERNATE OPERATIN	IG SITE INFORMATION (only available for (G20, G40, & G50 General Pern	nits)		
11B. Name of 1 st alternate operating site:	12B. Address of 1 st alternate operating site:				
	Mailing:	Physical:			
13B. Does the applicant own, lease, have an optic	on to buy, or otherwise have control of the prop	posed site?	S □ NO		
IF YES, please explain:					
IF NO YOU ARE NOT FUCIRLE FOR A RE	DMIT FOR THIS COURCE				
·					
	odates at an existing facility, please provide d	irections to the present location	of the facility from the		
	please provide directions to the proposed new	site location from the nearest s	ate road. Include a		

15B. Nearest city or town:	16B. County:		17B. UTM Coordinates:				
			Northing (KM):				
			Easting (KM):				
			Zone:				
18B. Briefly describe the proposed new opera	ation or change (s) to the	e facility:	19B. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits):				
			Latitude:				
			Longitude:				
			, G40, & G50 General Permits):				
11C. Name of 2 nd alternate operating site:	12C. Address of	2 nd alternate operating site:					
	Mailing:		Physical:				
13C. Does the applicant own, lease, have an — IF YES, please explain:							
- IF NO , YOU ARE NOT ELIGIBLE FOR.	A PERMIT FOR THIS S	COURCE					
ii ito, rooma nor eelolee ron	THE CHANGE						
	ve Updates at an existing	ng facility, please provide direc	tions to the present location of the facility from the				
nearest state road;							
	nits, please provide dire	ctions to the proposed new site	e location from the nearest state road. Include a				
MAP as Attachment F.							
450 Naggast situ antaum	1400 000000		17C. UTM Coordinates:				
15C. Nearest city or town:	16C. County:						
			Northing (KM):				
			Easting (KM):				
			Zone:				
18C. Briefly describe the proposed new opera	ation or change (s) to the	e facility:	19C. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits):				
			Latitude: Longitude:				
		T	Longitude.				
20. Provide the date of anticipated installation	or change:	21. Date of anticipated Start-	up if registration is granted:				
05/01/2015		06/01/2015					
<u> </u>		00/01/2010					
☐ If this is an After-The-Fact permit applicati upon which the proposed change did happen:							
22. Provide maximum projected Operating S other than 24/7/52 may result in a restriction to			n if other than 8760 hours/year. (Note: anything				
Hours per day Days per week	x Weeks per	year Percentage	of operation				

SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS

23. Include a check payable to WVDEP – Division of Air Quality with the appropriate application fee (per 45CSR22 and 45CSR13).
24. Include a Table of Contents as the first page of your application package.
All of the required forms and additional information can be found under the Permitting Section (General Permits) of DAQ's website, or requested by phone.
25. Please check all attachments included with this permit application. Please refer to the appropriate reference document for an explanation of the attachments listed below.
ATTACHMENT A: CURRENT BUSINESS CERTIFICATE ATTACHMENT B: PROCESS DESCRIPTION ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS ATTACHMENT D: PROCESS FLOW DIAGRAM ATTACHMENT E: PLOT PLAN ATTACHMENT F: AREA MAP ATTACHMENT G: EQUIPMENT DATA SHEETS AND REGISTRATION SECTION APPLICABILITY FORM ATTACHMENT H: AIR POLLUTION CONTROL DEVICE SHEETS ATTACHMENT I: EMISSIONS CALCULATIONS ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT ATTACHMENT K: ELECTRONIC SUBMITTAL ATTACHMENT K: ELECTRONIC SUBMITTAL ATTACHMENT M: SITING CRITERIA WAIVER ATTACHMENT M: MATERIAL SAFETY DATA SHEETS (MSDS) ATTACHMENT O: EMISSIONS SUMMARY SHEETS OTHER SUPPORTING DOCUMENTATION NOT DESCRIBED ABOVE (Equipment Drawings, Aggregation Discussion, etc.)
Please mail an original and two copies of the complete General Permit Registration Application with the signature(s) to the DAQ Permitting Section, at the address shown on the front page of this application. Please DO NOT fax permit applications. For questions regarding applications or West Virginia Air Pollution Rules and Regulations, please refer to the website shown on the front page of the application or call the phone number also provided on the front page of the application.

SECTION IV. CERTIFICATION OF INFORMATION

This General Permit Registration Application shall be signed below by a Responsible Official. A Responsible Official is a President, Vice President, Secretary, Treasurer, General Partner, General Manager, a member of a Board of Directors, or Owner, depending on business structure. A business may certify an Authorized Representative who shall have authority to bind the Corporation, Partnership, Limited Liability Company, Association, Joint Venture or Sole Proprietorship. Required records of daily throughput, hours of operation and maintenance, general correspondence, Emission Inventory, Certified Emission Statement, compliance certifications and all required notifications must be signed by a Responsible Official or an Authorized Representative. If a business wishes to certify an Authorized Representative, the official agreement below shall be checked off and the appropriate names and signatures entered. Any administratively incomplete or improperly signed or unsigned Registration Application will be returned to the applicant.

FOR A CORPORATION (domestic or foreign) I certify that I am a President, Vice President, Secretary, Treasurer or in charge of a principal business function of the corporation
FOR A PARTNERSHIP I certify that I am a General Partner
FOR A LIMITED LIABILITY COMPANY I certify that I am a General Partner or General Manager
FOR AN ASSOCIATION I certify that I am the President or a member of the Board of Directors
FOR A JOINT VENTURE I certify that I am the President, General Partner or General Manager
FOR A SOLE PROPRIETORSHIP I certify that I am the Owner and Proprietor
I hereby certify that (please print or type) is an Authorized Representative and in that capacity shall represent the interest of the business (e.g., Corporation, Partnership, Limited Liability Company, Association Joint Venture or Sole Proprietorship) and may obligate and legally bind the business. If the business changes its Authorized Representative, a Responsible Official shall notify the Director of the Office of Air Quality immediately, and/or, I hereby certify that all information contained in this General Permit Registration Application and any supporting documents appended hereto is, to the best of my knowledge, true, accurate and complete, and that all reasonable efforts have been made to provide the most comprehensive information possible
Signature
(please use blue ink) Responsible Official Date
Name & Title Barry Schatz, Senior Environmental & Regulatory Manager
Signature Born Schat (please use blue ink) Authorized Representative (if applicable) Date
Applicant's Name Antero Resources Corporation
Phone & Fax 303-357-7276 303-357-7315 Phone & Fax
Email <u>bschatz@anteroresources.com</u>

Attachment R AUTHORITY OF CORPORATION OR OTHER BUSINESS ENTITY (DOMESTIC OR FOREIGN)

	TO:	The West Virginia Department of Environmental Protection, Division of Air Quality
	DATE:	JANUARY 23, 2015
	ATTN.:	Director
	Corporation'	s / other business entity's Federal Employer I.D. Number80-0162034
	Protection, I	indersigned hereby files with the West Virginia Department of Environmental Division of Air Quality, a permit application and hereby certifies that the said ade name which is used in the conduct of an incorporated business or other tity.
	Furth	er, the corporation or the business entity certifies as follows:
	(1) representativ business en	Barry Schatz (is/are) the authorized ve(s) and in that capacity may represent the interest of the corporation or the tity and may obligate and legally bind the corporation or the business entity.
	(2) State of Wes	The corporation or the business entity is authorized to do business in the st Virginia.
		If the corporation or the business entity changes its authorized ve(s), the corporation or the business entity shall notify the Director of the West artment of Environmental Protection, Division of Air Quality, immediately upon
~		
	(Vice President official in character)	Other Authorized Officer dent, Secretary, Treasurer or other arge of a principal business function of on or the business entity)
		resident, then the corporation or the business entity must submit certified ylaws stating legal authority of other authorized officer to bind the corporation ess entity).
	Secretary	

Name of Corporation or business entity

Attachment G

G70-A Section Applicability Form

General Permit G70-A Registration Section Applicability Form

General Permit G70-A was developed to allow qualified applicants to seek registration for a variety of sources. These sources include natural gas well affected facilities, storage tanks, natural gas-fired compressor engines (RICE), natural gas producing units, natural gas-fired inline heaters, pneumatic controllers, heater treaters, tank truck loading, glycol dehydration units, completion combustion devices, flares, enclosed combustion devices, and vapor recovery systems. All registered facilities will be subject to Sections 1.0, 2.0, 3.0, and 4.0.

General Permit G70-A allows the registrant to choose which sections of the permit they are seeking registration under. Therefore, please mark which additional sections that you are applying for registration under. If the applicant is seeking registration under multiple sections, please select all that apply. Please keep in mind, that if this registration is approved, the issued registration will state which sections will apply to your affected facility.

Section 5 Section 6	Natural Gas Well Affected Facility Storage Vessels*	✓
Section 7	Gas Producing Units, In-Line Heaters, Heater Treaters, and Glycol Dehydration Reboilers	✓
Section 8	Pneumatic Controllers Affected Facility (NSPS, Subpart OOOO)	
Section 9	Reserved	
Section 10	Natural gas-fired Compressor Engine(s) (RICE) **	\checkmark
Section 11	Tank Truck Loading Facility ***	\checkmark
Section 12	Standards of Performance for Storage Vessel Affected Facilities	
	(NSPS, Subpart OOOO)	
Section 13	Standards of Performance for Stationary Spark Ignition Internal	
	Combustion Engines (NSPS, Subpart JJJJ)	✓
Section 14	Control Devices not subject to NSPS, Subpart OOOO	\checkmark
Section 15	National Emissions Standards for Hazardous Air Pollutants for Stationary	
	Reciprocating Internal Combustion Engines (40CFR63, Subpart ZZZZ)	✓
Section 16	Glycol Dehydration Units	
Section 17	Dehydration Units With Exemption from NESHAP Standard,	
	Subpart HH § 63.764(d) (40CFR63, Subpart HH)	
Section 18	Dehydration Units Subject to NESHAP Standard, Subpart HH	
	and Not Located Within an UA/UC (40CFR63, Subpart HH)	
Section 19	Dehydration Units Subject to NESHAP Standard, Subpart HH	
	and Located Within an UA/UC (40CFR63, Subpart HH)	

^{*} Applicants that are subject to Section 6 may also be subject to Section 12 if the applicant is subject to the NSPS, Subpart OOOO control requirements or the applicable control device requirements of Section 14.

^{**} Applicants that are subject to Section 10 may also be subject to the applicable RICE requirements of Section 13 and/or Section 15.

^{***} Applicants that are subject to Section 11 may also be subject to control device requirements of Section 14.

Attachment H

Air Pollution Control Device Data Sheet

Attachment H: Air Pollution Control Device Vapor Combustion Control Device Sheet

Complete this vapor combustion control device sheet for each enclosed combustion device, flare, thermal oxidizer, or completion combustion device that is located at the natural gas production pad for the purpose of thermally destructing waste gas to control emissions of regulated pollutants to the atmosphere.

IMPORTANT: READ TH	HE INSTRUC	TIONS ACCO	/IPANYING	THIS F	ORM BEFORE	сом	PLETING.				
			Gen	eral Ir	formation						
1. Control Device ID#:		E	C001		2. Installation	n Date:	New				
3. Maximum Rated To	tal Flow Ca _l	pacity:	4. Maximur	n Desi	ign Heat Inpu	t:	5. Design H	eat Cont	ent: 2300 BTU/scf		
131,000 scfd			6.6 MMBt	5 MMBtu/hr							
			Control	Devic	e Informatio	n	- L				
6. Select the type of va	apor combu	stion control	device being	g used	: Elevated Fla	are					
7. Manufacturer: Mod	el No. Cima	rron Model N	o. 48" HV E0	CD	8. Hours of	operat	ion per year:		8760		
9. List the emission un	its whose e	emissions are o	controlled b	y this	vapor combus	stion c	ontrol device:	(Emissio	on Point ID#:)		
10. Emission Unit ID#		Emission Sou	rce Descript	ion:	Emission Ur	nit ID#		Emissio	n Source Description:		
TANKCOND001-010	NKCOND001-010 Condense NKPW001-002 PW Tanks this vapor combustor controls emissions for the controls and the controls are sense to the control are sense to t										
TANKPW001-002		PW Tanks									
If this vapor combusto	r controls e	missions from	more than :	six em	ission units, p	lease (attach additio	nal page	S.		
11. Assist Type					12. Flare Hei	ght	13. Tip Diam	eter (ft)	14. Was the design per		
					(ft)				§60.18?		
Steam - Air -	Maximum Rated Total Flow Capacity: 1,000 scfd Select the type of vapor combustion com Manufacturer: Model No. Cimarron Mod List the emission units whose emissions and the emission units whose emissions and the emission units whose emissions are semission. Emission Unit ID# Emission Condensations of the emission o				25ft		3.33		Yes		
					Information						
	gas flow	16. Heat valu	_	gas	17. Temper				Velocity of the		
rate (scfm):		stream (BTU/	ft3)		emissions s	tream	(°F)	emissio	ns stream (ft/s)		
55.45		1,	555.12		900			1.06E-01			
19. Provide an attachr	nent with th	ne characteris	tics of the w	/aste g	as stream to	be bur	ned.	•			
					ormation						
20. Type/Grade of	21. Numbe	er of pilot light	s: 22. Fuel f	flow ra	ate to		eat input per	oilot 24	. Will automatic re-		
pilot fuel:			pilot flam	ne per	pilot (BTU/h		/hr):		ignition be used?		
			(scf/hr):								
Natural Gas		1		12.	6		12800		Yes		
25. If automatic re-ign	ition will be	e used. describ	e the meth	od: Ba	ased on a moi	nitorin	g system				
			28. If yes			ermoc					
	-		, , , ,	,	/			C			
Yes											
29. Pollutant(s) Contro	olled		30.	% Can	ture Efficienc	v	31. Mar	ufacture	er's Guaranteed Control		
				, , , , ,		,	Efficience				
			00					1 1.31			
		ע		98				98			
F/W/B Emissions from	IANKPW		98				98				

Attachment H: Air Pollution Control Device Vapor Combustion Control Device Sheet

Complete this vapor combustion control device sheet for each enclosed combustion device, flare, thermal oxidizer, or completion combustion device that is located at the natural gas production pad for the purpose of thermally destructing waste gas to control emissions of regulated pollutants to the atmosphere.

32. Has the control device been tested by the manufacturer and certified? Yes, see spec sheet.

33. Describe all operating ranges and maintenance procedures required by the manufacturer to maintain warranty: See spec sheet for operating ranges.

MONITORING

- 1) Report any period when visible emissions exceeded 5 minutes during any two-hour period.
- 2) Monitor the presence of pilot flame at all times with the Flame rectification system, a thermocouple equivalent.
- 3) Monitor visible emissions from the vapor combustor.
- 4) Monitor throughput to the vapor combustor.

RECORDKEEPING

- 1) Record the times and duration of periods when the pilot flame was not present.
- 2) Records of throughput to the vapor combustor.
- 3) Records of vapor combustor malfunction or shutdown which resulted in excess emissions.
- 4) Records of vapor combustor inspection and maintenance activities conducted.

REPORTING

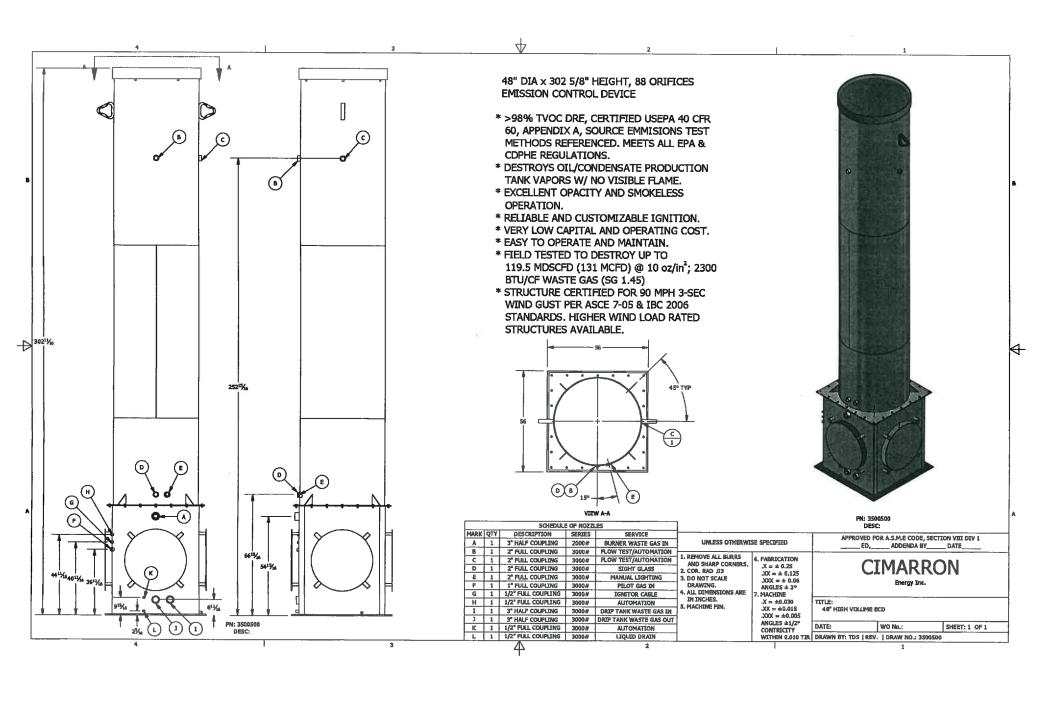
1) Report any period when visible emissions exceeded 5 minutes during any two-hour period.

34. Additional Information Attached?

YES

Please attach a copy of manufacturer's data sheet. Please attach a copy of manufacturer's drawing. Please attach a copy of the manufacturer's performance testing.

If any of the requested information is not available, please contact the manufacturer.



Attachment O

Emissions Summary Sheet

Attachment O: G70-A Emissions Summary Sheet Emission Points Data Summary Sheet

						le 1: Emissions Data												
Emission Point ID No. (Must match Emission Units Table & Plot Plan)	Emission Point Type1	Emission Unit Vented Through This Point (Must match Emission Units Table & Plot Plan)				Air Pollution Control Device (Must match Emission Units Table &		Air Pollution Control Device (Must match Emission Units Table &		Unit Vented Air Pollution Con h This Point Device (Must ma h Emission Units Emission Units Tab		All Regulated Pollutants - Chemical Name/CAS3 (Speciate VOCs & HAPS)		n Potential d Emissions 4	Maximum Controlled		Emission Form or Phase (At exit conditions, Solid, Liquid or Gas/Vapor)	Est. Method Used 6
		ID No.	Source	ID No.	Device Type	-	lb/hr	ton/yr	lb/hr	ton/yr	 							
EP-H001, EP-H002, EP-	Vertical Stack	H001, H002,	Gas Production	N/A		CO (630080)	1.21	5.31	1.21	5.31	Gas/Vapor	MB						
H003, EP-H004, EP-		H003, H004,	Unit Heater			NOx (10102439)	1.44	6.32	1.44	6.32	/Solid (for PM)	AP-42						
H005, EP-H006, EP- H007, EP-H008, EP- H009, EP-H010, EP-		H005, H006, H007, H008, H009, H010,				CO2 Equivalent N2O (10024972), CO2 (124389), CH4 (74828)	1742.37	7631.57	1742.37	7631.57								
H011, EP-H012		H011, H012				SO2 (7446095)	0.01	0.04	0.01	0.04	1							
						PM, PM10, PM2.5	0.11	0.48	0.11	0.48								
			Hexane (110543)	0.03	0.11	0.03	0.11]										
						Total VOCs	0.08	0.35	0.08	0.35								
F001	n/a	F001	Fugitives	N/A		Benzene (71432)	0.00	0.01	0.00	0.01	Gas/Vapor	MB						
						Toluene (108883)	0.02	0.07	0.02	0.07	<u> </u>							
						Ethyl benzene (100414)	0.03	0.15	0.03	0.15	<u> </u>							
						Hexane (110543)	0.23	1.00	0.23	1.00	<u> </u>							
						o,m,p-xylenes (95476,108383,106423)	0.08	0.37	0.08	0.37								
						CO2 Equivalent CO2 (124389)), CH4	96.88	424.33	96.88	424.33	1							
						VOCs	4.57	20.02	4.57	20.02	4							
ED 1001 ED 1003	- /-	a L001, L002 Loading N/A	N1/A		TAPs (benzene)	0.00	0.01	0.00	0.01	Cashianas	NAD.							
EP-L001, EP-L002	n/a	1001, 1002	Loading (Condensate),	N/A		VOCs hexane (110543)	2.71	0.99	2.71	0.99	Gas/Vapor	MB						
			Loading (Water)			CO2 Equivalent	0.01 5.46	0.00 5.97	0.01 5.46	5.97	-							
EP-HR001	n/a	HR001	Haul Truck	N/A		PM, PM10, PM2.5	1.79	5.01	0.90	2.51	Solid	MB						
EP-EC001	n/a	EC001	Condensate	N/A	Enclosed	CO (630080)	0.00	0.00	0.28	1.23	Gas/Vapor/	MB						
			Tanks, PW Tanks,		Combustor	NOx (10102439)	0.00	0.00	0.33	1.46	Solid (for PM)	i I						
			and Enclosed Combustor			CO2 Equivalent N2O (10024972), CO2 (124389), CH4	1518.12	6649.36	988.21	4328.34								
						PM, PM10, PM2.5	0.00	0.00	0.03	0.11								
							Benzene (71432)	0.09	0.39	0.00	0.01							
						ļ		ļ						Toluene (108883)	0.27	1.18	0.01	0.02
						ethyl benzene (100414)	0.19	0.84	0.00	0.02	_							
						o,m,p-xylenes	4.65 0.38	20.39	0.09	0.41	-							
						(95476,108383,106423)			0.01									
				***	ļ	VOCs	159.01	696.48	3.18	13.93								
EP-PCV	valve	PCV	Pneumatic CV	N/A		hexane (110543)	0.02	0.07	0.02	0.07	Gas/Vapor	MB						
						CO2 Equivalent CO2 (124389)), CH4	10.84	47.48	10.84	47.48	1							
ED ENCOOL	Martinal Start	FNC001	C	NI/A		VOCs	0.14	0.60	0.14	0.60	Cashianasi	NAD.						
EP-ENG001	Vertical Stack	ENG001	Compressor Engine	N/A		CO (630080)	5.64	24.72	5.64	24.72	Gas/Vapor/ Solid (for PM)	MB						
						NOx (10102439)	0.32	1.38	0.32	1.38	<u> </u>							
						CO2 Equivalent N2O (10024972), CO2 (124389), CH4 (74828)	27.78	121.66	27.78	121.66								
			PM, PM10, PM2.5	0.00	0.01	0.00	0.01											
						TAPs Formaldehyde (50000)	0.00	0.02	0.00	0.02								
						Total VOCs	0.01	0.03	0.01	0.03								