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AIR PERMIT APPLICATION COVER SHEET

State Form 50639 (R4 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM – Office of Air Quality – Permits Branch 100 N. Senate Avenue, MC 61-53 Room 1003 Indianapolis, IN 46204-2251 Telephone: (317) 233-0178 or Toll Free: 1-800-451-6027 x30178 (within Indiana) Facsimile Number: (317) 232-6749

www.IN.gov/idem

- The purpose of this cover sheet is to obtain the core information needed to process the air permit application. This cover sheet is required for <u>all</u> air permit applications submitted to IDEM, OAQ. Place this cover sheet on top of all subsequent forms and attachments that encompass your air permit application packet.
- Submit the completed air permit application packet, including all forms and attachments, to IDEM Air Permits Administration using the address in the upper right hand corner of this page.
- IDEM will send a bill to collect the filing fee and any other applicable fees.
- Detailed instructions for this form are available on the Air Permit Application Forms website.

FOR OFFICE U	FOR OFFICE USE ONLY			
PERMIT NUMBER:				
777-48008-05582	AI ID: 133334			
DATE APPLICATION WAS R	RECEIVED:			
Received by State of	of Indiana IDEM-			
OAQ via email June	26, 2024 MJ-1			

			Tax ID Number:	1.
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	PART A: Purpose of Application					
	Part A identifies the purpose of this air permit application. For the purposes of this form, the term "source" refers to the plant site as a whole and NOT to individual emissions units.					
2.	Source / Company Name:	Kings Station / Keyrock En	vironment LLC	3. Plant ID:	_	
4.	Billing Address:	153 Jackson Avenue				
	City: Madison		State: WV	ZIP Code: 251	130 –	
5.	Permit Level: Exem	ption 🛛 Registration 🗌	SSOA MS	OP FESOP TV	OP	
6.	Application Summary: Chechoices selected below.	ck all that apply. Multiple pe	ermit numbers may	be assigned as needed	based on the	
	☐ Initial Permit	Renewal of Operating Pe	rmit	☐ Asphalt General Pe	ermit	
	Review Request	Revocation of Operating	Permit	☐ Alternate Emission	Factor Request	
	☐ Interim Approval	Relocation of Portable Sc	urce	☐ Acid Deposition (Ph	nase II)	
	☐ Site Closure	Emission Reduction Cred	it Registry			
	☐ Transition (between perm	it levels) From:		То:		
	☐ Administrative Amendmer	nt:	nange	☐ Change of R	esponsible Official	
		☐ Correction to Non-	Technical Information	☐ Notice Only (Change	
		Other (specify):				
	☑ Modification: ☑ New E	Emission Unit or Control Device	☐ Modified Emi	ssion Unit or Control Devic	re	
	☐ New A	pplicable Permit Requirement	☐ Change to Ap	oplicability of a Permit Requ	uirement	
	☐ Prever	ntion of Significant Deterioration	☐ Emission Offs	set	nstruction Review	
	☐ Minor S	Source Modification S	ignificant Source Mo	dification		
	☐ Minor Permit Modification ☐ Significant Permit Modification					
	Other (specify):					
7.	7. Is this an application for an initial construction and/or operating permit for a "Greenfield" Source? ☐ Yes ☒ No					
8.	Is this an application for cons	truction of a new emissions	unit at an Existing	Source?	☐ Yes ⊠ No	

	Pre-Application Meeting d or is being requested to discuss the permit application.
,	IDEM prior to submitting this application to discuss the details of the
⊠ No ☐ Yes: <i>Date:</i>	
	I management and your permit writer to discuss the details of this
⊠ No ☐ Yes: Proposed Date for M	Meeting:
	
PART C: Confid	dential Business Information
	uire special care to ensure that confidential business
set out in the Indiana Administrative Code (IAC). To OAQ information regarding submittal of confidential I	ne information is submitted to IDEM, and must follow the requirements of ensure that your information remains confidential, refer to the IDEM, business information. For more information on confidentiality for IDEM's Nonrule Policy Document Air-031-NPD regarding Emission
11. Is any of the information contained within Business Information?	n this application being claimed as Confidential
X No ☐ Yes	
DART D. Cortification O	f Truth Accuracy and Completeness
Part D is the official certification that the infois truthful, accurate, and complete. Any air certification will be deemed incomplete and For a Part 70 Operating Permit (TVOP) or a Source	Specific Operating Agreement (SSOA), a "responsible official" as
Individual" as defined in 326 IAC 2-1.1-1(1).	mit application. For all other applicants, this person is an "authorized
	on information and belief formed after reasonable inquiry, the this application are true, accurate, and complete.
Mark Allaman Name (typed)	Managing Director Title
Mark Allaman Signature	6-21-2024 Date



OAQ GENERAL SOURCE DATA APPLICATION GSD-01: Basic Source Level Information

State Form 50640 (R5 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality - Permits Branch 100 N. Senate Avenue, MC 61-53 Room 1003 Indianapolis, IN 46204-2251 Telephone: (317) 233-0178 or Toll Free: 1-800-451-6027 x30178 (within Indiana) Facsimile Number: (317) 232-6749

www.IN.gov/idem

Received by State of Indiana IDEM-OAQ via email June 26, 2024 MJ-1

- The purpose of GSD-01 is to provide essential information about the entire source of air pollutant emissions. GSD-01 is a required
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality. Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection. 777-48008-05582

PART A: Source / Comp	PART A: Source / Company Location Information				
Source / Company Name: King Station / Keyrock Environment LLC2. Plant ID:					
3. Location Address: Located .13 Miles from corner of W	3. Location Address: Located .13 Miles from corner of W 400 S and US Hwy 41				
City: Princeton	State: IN ZIP Code: 47670				
4. County Name: Gibson	5. Township Name: Patoka				
6. Geographic Coordinates:					
Latitude: 38°17'50.3"N	Longitude: 87°34'12.4"W				
7. Universal Transferal Mercadum Coordinates (if knowledge)	n):				
Zone : 16 Horizontal : E 4	450148.33 Vertical : N 4238956.24				
8. Adjacent States: Is the source located within 50 miles of	f an adjacent state?				
☐ No ☐ Yes – Indicate Adjacent State(s): ☐ Illinois (IL) ☐ Michigan (MI) ☐ Ohio (OH) ☐ Kentucky (KY)				
9. Attainment Area Designation: Is the source located within	n a non-attainment area for any of the criteria air pollutants?				
No ☐ Yes – Indicate Nonattainment Pollutant(s): ☐ 0	\square Pb \square NO _x \square O ₃ \square PM \square PM ₁₀ \square PM _{2.5} \square SO ₂				
10. Portable / Stationary: Is this a portable or stationary so	urce? ⊠ Portable ☐ Stationary				
PART B: Sou	irce Summary				
11. Company Internet Address (optional):					
12. Company Name History: Has this source operated und	er any other name(s)?				
	t company names in Part I, Company Name History.				
13. Portable Source Location History: Will the location of	the portable source be changing in the near future?				
	Part J, Portable Source Location History, and Part K, Request to Change Location of Portable Source.				
14. Existing Approvals: Have any exemptions, registrations, or permits been issued to this source?					
☑ No ☐ Yes – List these permits and their corresponding emissions units in Part M, Existing Approvals.					
15. Unpermitted Emissions Units: Does this source have any unpermitted emissions units?					
⊠ No ☐ Yes – List all unpermitted emissions units in Part N, Unpermitted Emissions Units.					
16. New Source Review: Is this source proposing to construct or modify any emissions units?					
☐ No ☐ Yes – List all proposed new construction in Part O, New or Modified Emissions Units.					
17. Risk Management Plan: Has this source submitted a Risk Management Plan?					
Not Required	EPA Facility Identifier: — —				

PART C: Source Contact Information				
	IDEM will send the original, signed permit decision to the person identified in this section.			
18. Name of Source Contact Person: Joe Lane				
19. Title (optional): Permitting and Regulatory Manager				
20. Mailing Address: 153 Jackson Avenue				
City: Madison	State: WV	ZIP Code : 25130 –		
21. Electronic Mail Address (optional): jlane@keyrockenerg		Zii Gode. 20100		
22. Telephone Number : (304) 989 – 5533	23. Facsimile Number	(optional): () –		
. , ,				
PART D: Authorized Individual/	-			
IDEM will send a copy of the permit decision to the Individual or Responsible Official is different from t	•	•		
24. Name of Authorized Individual or Responsible Officia	al: Mark Allaman			
25. Title: Managing Director				
26. Mailing Address: P.O.Box 2223	,			
City: Johnson City	State: TN	ZIP Code : 37605 –		
27. Telephone Number : (304) 573 - 9873	28. Facsimile Number	(optional): () –		
29. Request to Change the Authorized Individual or Responsive the person designated as the Authorized Individual IDEM, OAQ? The permit may list the title of the Authorized Individual Indi	ual or Responsible Official	I in the official documents issued by		
	er Information			
30. Company Name of Owner: Keyrock Environment LLC				
31. Name of Owner Contact Person: Bruce Horman				
32. Mailing Address: P.O. Box 2223				
City: Johnson City	State: TN	ZIP Code : 37605 –		
33. Telephone Number : (618) 443 – 8753	34. Facsimile Number			
34. Operator: Does the "Owner" company also operate the s				
No − Proceed to Part F below. Xes − Enter "SAME AS OWNER" on line 35 and proceed to Part G below.				
PART F: Operator Information				
35. Company Name of Operator: SAME AS OWNER				
36. Name of Operator Contact Person:				
37. Mailing Address:				
City:	State:	ZIP Code: –		
38. Telephone Number: () –	39. Facsimile Number	(optional): () –		

PART G: Agent Information			
40. Company Name of Agent: Keyrock Environment			
41. Type of Agent : ⊠ Environmental Consultant □ A	Attorney	ecify):	
42. Name of Agent Contact Person: Joe Lane			
43. Mailing Address: 153 Jackson Avenue			
City: Madison	State: WV	ZIP Code : 25130 –	
44. Electronic Mail Address (optional): jlane@keyr	ockenergy.com		
45. Telephone Number : (304) 989 - 5533	46. Facsimile Number	(optional): () –	
47. Request for Follow-up: Does the "Agent" wish to receive			
during the public notice period (if applicable) and a copy	of the final determination	?	
PART H: Local L	ibrary Information		
48. Date application packet was filed with the local librar			
49. Name of Library: Princeton Public Library	•		
50. Name of Librarian (optional): Shannon Linsday			
51. Mailing Address: 124 S. Hart St.			
City: Princeton	State: IN	ZIP Code : 47670	
52. Internet Address (optional): https://princetonp	l.lib.in.us		
	rincetonpl.lib.in.us		
54. Telephone Number : (812) - 385 – 4464	55. Facsimile Number	(optional): () –	
	ne History (if applicable)		
Complete this section only if the source has previously operated above in Section A.	ated under a legal name tr	iat is different from the name listed	
56. Legal Name of Company		57. Dates of Use	
		to	
58. Company Name Change Request: Is the source officially requesting to change the legal name that will be printed on all official documents issued by IDEM, OAQ?			
☐ No ☐ Yes – Change Company Name to:			

Air Permit Application FORM GSD-01 Page 4 of 5

PART J: Portable Source Location History (if applicable)

Complete this section only if the source is portable and the location has changed since the previous permit was issued. The current location of the source should be listed in Section A.

59. Plant ID	60. Location of the Portable Source	61. Dates at this Location
_		to

PART K: Request to Change Location of Portable Source (if applicable)				
Complete this section to request a change of location for a	portable source.			
62. Current Location:				
Address:				
City:	State:	ZIP Code:	,_	
County Name:				
63. New Location:				
Address:				
City:	State:	ZIP Code:	_	
County Name:				

PART L	.: Source Process Description		
Complete this section to summarize the main pro	ocesses at the source.		
64. Process Description	65. Products	66. SIC Code	67. NAICS Code
Sanitary Services		4959	
	1		1

PART M: Existing Approvals (if applicable)				
Complete this section to summarize the approvals issued to the source since issuance of the main operating permit.				
68. Permit ID 69. Emissions Unit IDs 70. Expiration Date				
	ection to summarize the approvals issued to the source since issuance of the r			

	PART N: Unpermitted Emissions Units (if applicable)				
Complete this se	Complete this section only if the source has emission units that are not listed in any permit issued by IDEM, OAQ.				
	73. Actual Dates				
71. Emissions Unit ID	72. Type of Emissions Unit	Began Completed Began Construction Construction Operation			

PART O: New or Modified Emissions Units (if applicable) Complete this section only if the source is proposing to add new emission units or modify existing emission units.						
74. Emissions Unit ID		٥	77. Type of Emissions Unit	78. Estimated Dates		
		76. MOD		Begin Construction	Complete Construction	Begin Operation
	Х		(2)Enclosed Flares	7/21/2024	7/21/2024	7/22/2024

Cimarron ECD- High Volume- 84"X32'X53 Specifications

	enter:
State of Operation	IN
Flare type	Cim 84"
Target flow rate for source [scfm]	971.0
Methane Concentration [%]	100%
CH4 heating value [Btu/scf]	910
Max Heat Release per Flare [MMbtu/hr]	53.0
Number of Flares Required for Target	1
Fundament Common	Max
Emission Source	Per Flare

Cim 84" Flares

IN
m 84"
971.0
100%
910
53.0
1
Мах Не
r Flare

100%	1	
910	1	
53.0]	
1		
Max Heat	Release	
Per Flare	Total Site	Pollu
		C
		N
		P
53.0 MMBTU/hr	53.0 MMBTU/hr	PIV
		SC
		VC

Emi	ssions Factor	Em	
Pollutant	Value	(lb/hr)	
СО	0.1000 lb/mmbtu	5.302	
NOx	0.0800 lb/mmbtu	4.241	
PM	4.5000 lb/mmscf	0.262	
PM 10	4.0000 lb/mmscf	0.233	
SO2	0.0000 lb/mmbtu	3/2/	
VOM	0.0000 lb/mmbtu	32	
HAPS	0.0000 lb/mmbtu	82	

Emissions

(ton/year)

23.2

18.6

1.1

1.0



ECD - High Volume - 84" x 32' x 53 MMBTU/HR

Data	Parameter
Size	84" OD x 32'
Capacity (Third Party Verified)	500 MSCFD @ 10 oz/in using SG 1.52/2500 BTU/SCF
Heat Duty Rating	53 MMBTU/HR Max
Burner Size	Staged combustion with Removable Trays – Custom drilling
Stack	Insulated
Stack Internal Operating Temperature	500-1700°F
Inlet Temp	-20-1200°F
Pressure Rating	Atmospheric
Electrical Classification	Non-Hazardous
Wind Load	90 mph 3sec Wind Gust per ASCE 7-05 (see note below)
Estimated Weight (No Concrete Block):	14,900 lbs

Connection Schedule	QTY	Size	Туре
Maintenance Access	1	8"	Pipe
Waste Gas Inlet 'A'	1	3"	NPT
Waste Gas Inlet 'B'	1	3"	NPT
Burner Ignition Gas Inlet	1	1"	NPT
Pilot Inlet 'A'	1	1"	NPT
Pilot Inlet 'B'	1	1'	NPT
Spare	2	1"	NPT
Pilot	1	1"	NPT
Sight Glass	2	3"	NPT

	Paint
External	Default Color: Noble Tan unless other color chosen as option

Standard Accessories - Included

Description	OEM	OEM Model #	QTY
Manual Dampers	Generic	Generic	3
Pilot Regulator, 1/4"	Fisher	67CR-206	1
Pilot Isolation Ball Valve 1/4 STL 2000# FP	Chemoil	2027WC-02	1
Bird Cone	Cimarron	SL 146577	1

Quote: 21641 Rev 6 <u>www.cimarron.com</u> Page 10



Accessories - Optional

Description	OEM	OEM Model #	QTY
Inlet Piping with Low DP SDV	Cimarron	-	1
144"x144"x10" Concrete Block No Anchors	Generic	SL 146698	1

Notes

Pilot Consumption: Propane: 15 SCFH @ 4 psig, Natural Gas: 30 SCFH @ 8 - 10 psig (per ignitor)

Expected Emissions (not guaranteed) at process conditions mentioned below:

• Destruction Removal Efficiency: ≥ 99%

NOx: 0.08 lb/MMBTU

CO: 0.1 lb/MMBTU

PM: 4.5 lb/MMSCF

PM₁₀: 4 lb/MMSCF

Structure certified per ASCE 7-05 & IBC 2006 stds (pre-mounted concrete base required for compliance). Customer to ensure soil & site foundation supports.

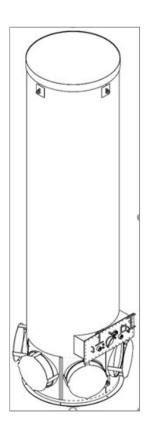
Process Conditions

Process Conditions	Parameter			
Gas Flow Rate (CFM)	965			
Gas Composition	100% Methane			
Gas Pressure at the burner (psig)	1			
Process guarantee applies only to conditions listed.				

Quote: 21641 Rev 6 <u>www.cimarron.com</u> Page 11



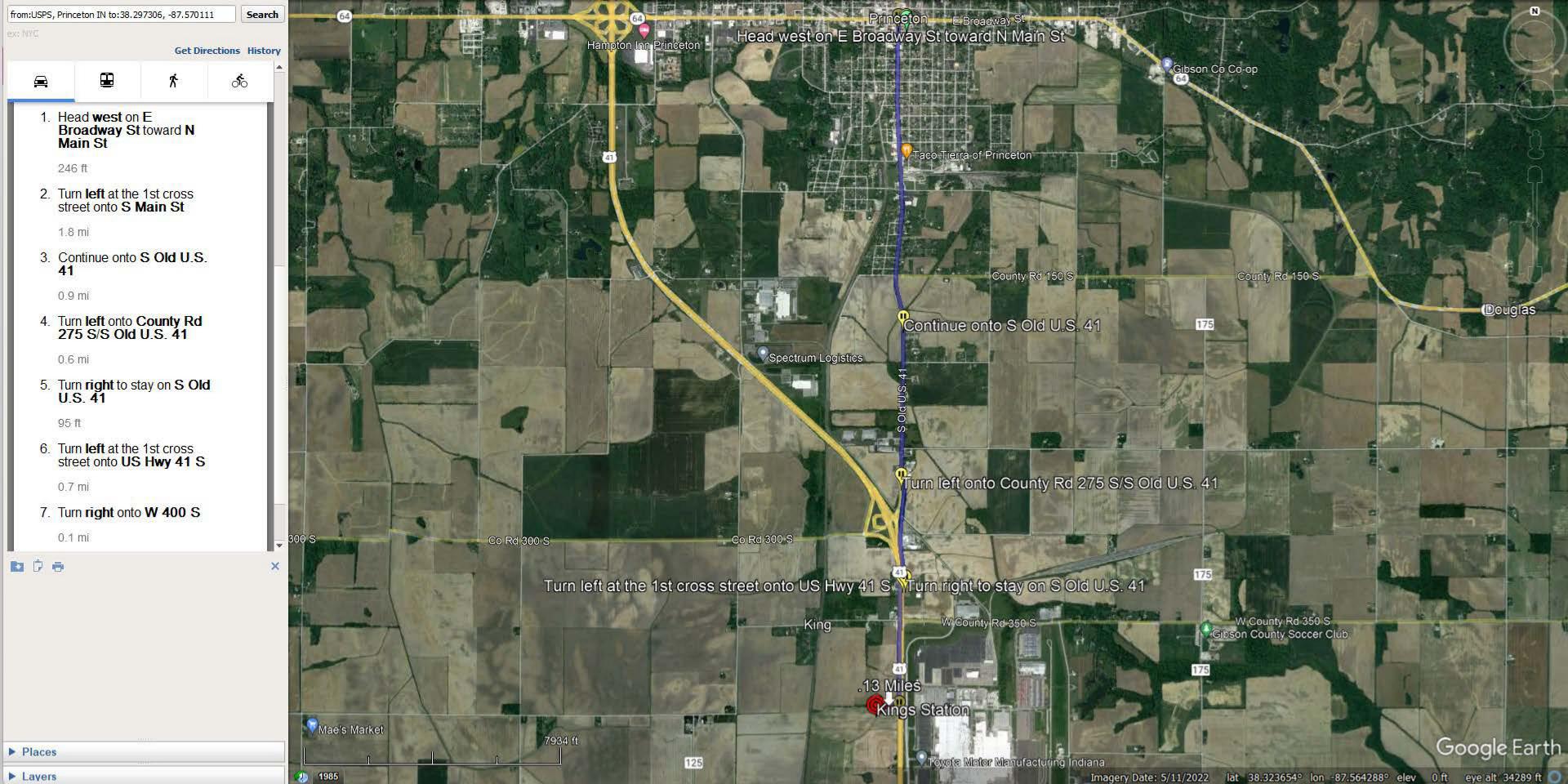
Unit Illustrations (For information only, actual drawings to be provided upon purchase)

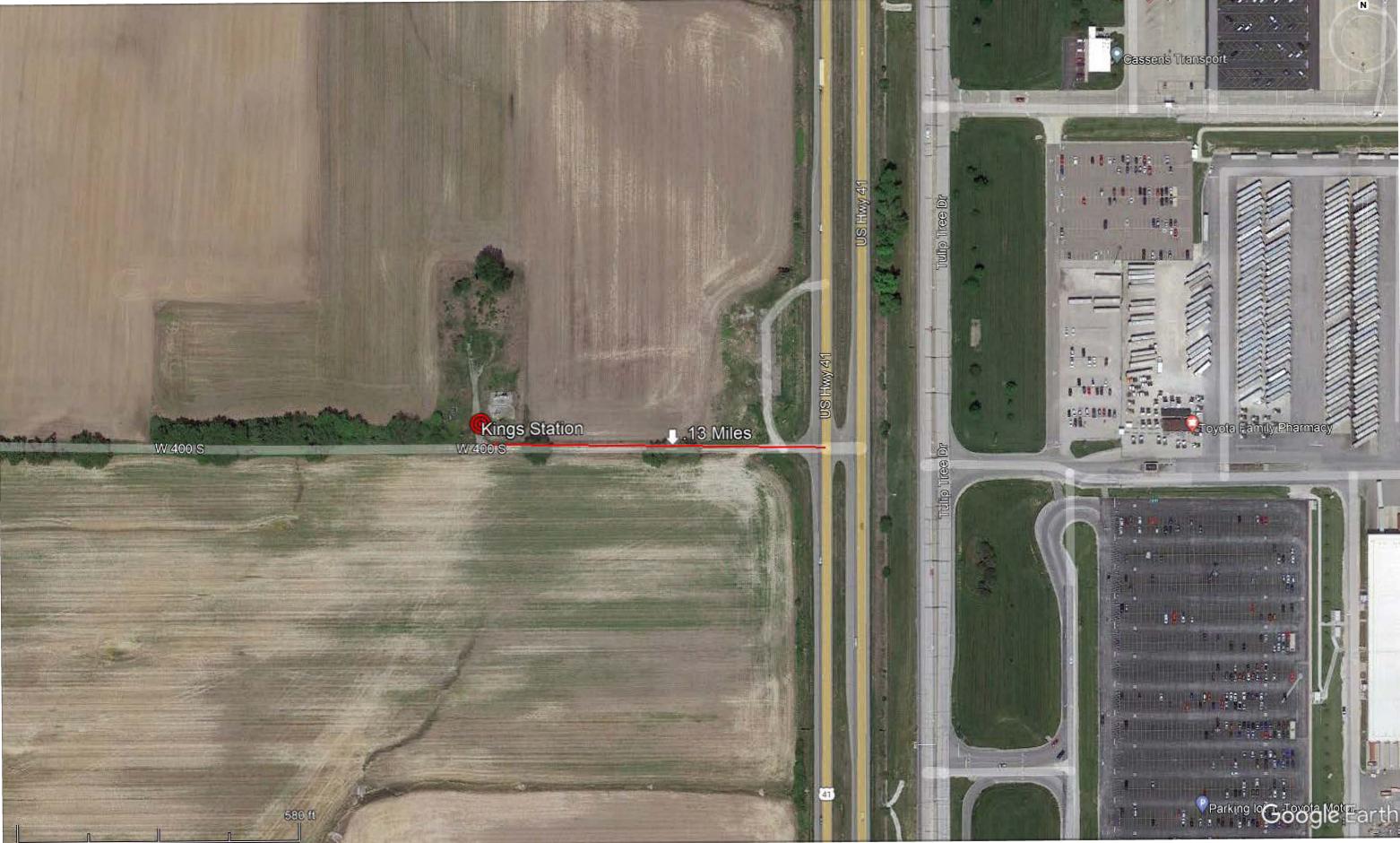


Inlet Piping with Low DP SDV (4" Valve and Flame Arrestor)

Description	OEM	OEM Model #	QTY
Back Draft Cell: 4" In-Line Flame Arrestor	WENCO	TBD	1
Valve: Butterfly 4" w/ Hytork Pneumatic Actuator	Hytork	TBD	1

Quote: 21641 Rev 6 <u>www.cimarron.com</u> Page 12







OAQ GENERAL SOURCE DATA APPLICATION GSD-14: Owners and Occupants Notified

State Form 51609 (R2 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality - Permits Branch

100 N. Senate Avenue, MC 61-53 Room 1003 Indianapolis, IN 46204-2251 Telephone: (317) 233-0178 or Toll Free: 1-800-451-6027 x30178 (within Indiana) Facsimile Number: (317) 232-6749 www.IN.gov/idem

- The purpose of GSD-14 is to identify adjacent landowners and occupants that are to be notified that an air permit application has been submitted.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality.
 Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Owners And Occ	cupants Notified		
Use this table to identify adjacent landowners and occupants that you have notified of your intent to construct pursuant to Indiana Code (IC) 13-15-8. If you need additional space, you may make copies of this form.			
1. Owner / Occupant Name: Toyota Motor Manufacturing		2. Date Notified: 6/21/2024	
3. Address: 4000 Tulip Tree Dr.			
City: Princeton	State: IN		
4. Electronic Mail:	5. Telephone Number: 812-387-2000		
6. Method of Notification: X Telephone Electronic Mail X Standard Mail Other (specify): In Person			
Owner / Occupant Name:		Date Notified:	
Address:			
City:	State:	ZIP Code:	
Electronic Mail:	Telephone Number: () -	
Method of Notification: ☐ Telephone ☐ Electronic Mail ☐ Standard Mail ☐ Other (specify): In Person			
Owner / Occupant Name:		Date Notified:	
Address:			
City:	State:	ZIP Code: –	
Electronic Mail:	Telephone Number: () -	
Method of Notification: Telephone Electronic Mail Standard Mail Other (specify):			
Owner / Occupant Name:		Date Notified:	
Address:			
City:	State:	ZIP Code: –	
Electronic Mail:	Telephone Number: () -	
Method of Notification: Telephone Electronic	Mail	il Other (specify):	
Owner / Occupant Name:		Date Notified:	
Address:			
City:	State:	ZIP Code: –	
Electronic Mail:	Telephone Number: () -	
Method of Notification: Telephone Electronic	Mail Standard Mai	il Other (specify):	



OAQ GENERAL SOURCE DATA APPLICATION GSD-15: Government Officials Notified

State Form 51608 (R3 / 1-10)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

IDEM - Office of Air Quality - Permits Branch

100 N. Senate Avenue, MC 61-53 Room 1003 Indianapolis, IN 46204-2251 Telephone: (317) 233-0178 or Toll Free: 1-800-451-6027 x30178 (within Indiana) Facsimile Number: (317) 232-6749 www.IN.gov/idem

- The purpose of GSD-15 is to identify local government officials that are to be notified that an air permit application has been submitted.
- Detailed instructions for this form are available on the Air Permit Application Forms website.
- All information submitted to IDEM will be made available to the public unless it is submitted under a claim of confidentiality.
 Claims of confidentiality must be made at the time the information is submitted to IDEM, and must follow the requirements set out in 326 IAC 17.1-4-1. Failure to follow these requirements exactly will result in your information becoming a public record, available for public inspection.

Government Officials Notified			
Use this table to identify local government officials that should be notified pursuant to Indiana Code (IC) 13-15-3-1 that an air permit application has been submitted. If you need additional space, you may make copies of this form.			
1. Name: Bruce McIntosh		2. Date Notified: 6/21/2024	
3. Title: Princeton City Councilman at Large			
4. Address: P.O. Box 15			
City: Princeton	State: IN	ZIP Code : 47670 –	
5. Electronic Mail: councilatlarge@princetoncity.com 6. Telephone Number: (260) 413 - 8488			
7. Method of Notification: Telephone Electronic Mail Standard Mail Other (specify):			
Name: Ken Montgomery		Date Notified: 7/19/2023	
Title: Gibson County District 2 Commisioner			
Address: 101 N Main			
City: Princeton	State: IN	ZIP Code : 47670 –	
Electronic Mail: kmontgomery@gibsoncounty-in.gov Telephone Number: (812) 385 - 8260			
Method of Notification: ☐ Telephone ☐ Electronic M	Mail Standard Mail	Other (specify):	
Name: Date Notified:			
Title:			
Address:			
City:	State:	ZIP Code: –	
Electronic Mail:	Telephone Number: () -	
Method of Notification: Telephone Electronic	Mail Standard Mail	Other (specify):	
Name:		Date Notified:	
Title:			
Address:			
City:	State:	ZIP Code: –	
Electronic Mail:	Telephone Number: () -	
Method of Notification: Telephone Electronic Mail Standard Mail Other (specify):			