

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

March 14, 2016

MR STEVE TOMBERLIN
SENIOR VP ASSEST MANAGEMENT
SWIFT ENERGY OPERATING LLC
17001 NORTHCHASE DR STE 100
HOUSTON TX 77060-2143

Permit by Rule Registration Number: 137750
Location From Tilden go SW on River St. TX 16 for 1.9 miles and turn left.
City/County: Tilden, McMullen County
Project Description/Unit: Henry OL 2 Tank Battery
Regulated Entity Number: RN108928201
Customer Reference Number: CN603272261
New or Existing Site: New
30 TAC § 106.352(l) Effective Date: 11/22/2012
30 TAC § 106.359 Effective Date: 09/10/2013
30 TAC § 106.512 Effective Date: 06/13/2001

Swift Energy Operating, LLC has certified the emissions associated with the Henry OL 2 Tank Battery under the Permit by Rule(s) stated above. For rule information see:
www.tceq.texas.gov/permitting/air/nav/numerical_index.html.

The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements. Facility owners or operators must retain records containing sufficient information to demonstrate compliance as required in 30 TAC §106.8.

If you have questions, please contact Mr. Mark McDonald at (512) 239-1357. This action is taken under the authority delegated by the Executive Director of the TCEQ.

Sincerely,

A handwritten signature in black ink, appearing to read "Samuel Short", followed by a long horizontal line.

Samuel Short, Manager
Rule Registrations Section
Air Permits Division

cc: Air Section Manager, Region 16 - Laredo

Project Number: 246142

Certified Emission Rates
Registration Number: 137750

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hr	TPY (4)
FE-01	Fugitive Emissions	Total VOC	1.2975	5.6831
		Benzene	0.0003	0.0013
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0000	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000
CE-01	Pumping Unit 1	Total VOC	0.0126	0.0550
		Benzene	0.0002	0.0010
		Formaldehyde	0.0031	0.0134
		H ₂ S	0.0000	0.0000
		SO ₂	0.0001	0.0004
		NO _x	0.0573	0.2511
		CO	0.1155	0.5059
		PM ₁₀	0.0029	0.0127
		PM _{2.5}	0.0029	0.0127
CE-02	Pumping Unit 2	Total VOC	0.0126	0.0550
		Benzene	0.0002	0.0010
		Formaldehyde	0.0031	0.0134
		H ₂ S	0.0000	0.0000
		SO ₂	0.0001	0.0004
		NO _x	0.0573	0.2511
		CO	0.1155	0.5059
		PM ₁₀	0.0029	0.0127
		PM _{2.5}	0.0029	0.0127
HT-01	Heater Treater	Total VOC	0.0000	0.0000
		Benzene	0.0000	0.0000
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0000	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000
T-01	Oil Tank 1	Total VOC	0.8075	3.5370
		Benzene	0.0005	0.0020
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0000	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000

T-02	Oil Tank 2	Total VOC	0.8075	3.5370
		Benzene	0.0005	0.0020
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0000	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000
T-03	Water Tank 1	Total VOC	0.0037	0.0162
		Benzene	0.0000	0.0000
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0000	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000
LF-01	Oil Loading Losses	Total VOC	27.2947	0.3941
		Benzene	0.8188	0.0118
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0003	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000
LF-02	Water Loading Losses	Total VOC	0.2729	0.0014
		Benzene	0.0082	0.0000
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0003	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000

MSS-01	LP Separator Blowdown Contribution	Total VOC	1.0062	0.0020
		Benzene	0.0719	0.0001
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0000	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000
MSS-01	Test Separator Blowdown	Total VOC	1.4728	0.0029
		Benzene	0.1052	0.0002
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0000	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000

MSS-01	Default Contribution	Total VOC	0.0572	0.2505
		Benzene	0.0000	0.0000
		Formaldehyde	0.0000	0.0000
		H ₂ S	0.0000	0.0000
		SO ₂	0.0000	0.0000
		NO _x	0.0000	0.0000
		CO	0.0000	0.0000
		PM ₁₀	0.0000	0.0000
		PM _{2.5}	0.0000	0.0000
Project Total Emission Rates (Note that these totals are simply the sum of the emission rates from each emission point. For the hourly rates, if the worst case combination of continuously and periodically emitting sources is less than this, then please input the values in this table to the right. Please explain below which emission points are included in this worst case combination.)		Air Contaminant Name (3)	Emission Rates	
			lbs/hr	TPY (4)
		Total VOC	33.05	13.53
		Benzene	1.01	0.02
		Formaldehyde	0.01	0.03
		H ₂ S	0.00	0.00
		SO ₂	0.00	0.00
		NO _x	0.11	0.50
		CO	0.23	1.01
		PM ₁₀	0.01	0.03
PM _{2.5}	0.01	0.03		

*Where 0.00 is stated for a short-term or annual emission rate and it is associated with a corresponding short-term or annual emission rate, the appropriate short-term or annual rate should be <0.01. However, as the table above was generated by the company, all emissions rates, 0.00 included, remain as represented by the company and unchanged.