

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION

**FCE Summary Report**

Facility : Quantum Resources Management LLC, Rich Field		SRN :	B5462
Location : 7770 McTaggart Rd		District :	Lansing
		County :	LAPEER
City : NORTH BRANCH	State: MI	Zip Code : 48461	Compliance Status : Compliance
Source Class : MAJOR		Staff :	Michelle Luplow
FCE Begin Date : 12/6/2012		FCE Completion Date :	8/13/2014
Comments :			

**List of Partial Compliance Evaluations :**

Activity Date	Activity Type	Compliance Status	Comments
08/01/2014	ROP Monthly	Compliance	June 2014 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was not diverted to the flare during this time period. Tail gas stream H2S was diverted to the flare for 2 days. Highest SO2 mass emission was 11 lb on June 7, 2014. Justin Thompson, Responsible Official.
07/30/2014	ROP Monthly	Compliance	March and April 2013 monthly reports were not found in the files or in MACES. I had Quantum resend these two reports to us, which were received via email 7/30/14.  April 2013 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was diverted to the flare once during this time period. Tail gas stream H2S was diverted to the flare for 8 days. Highest SO2 mass emission was 2132.9 lb on April 20, 2013. Justin Thompson, Responsible Official

Activity Date	Activity Type	Compliance Status	Comments
07/30/2014	ROP Monthly	Compliance	<p>March and April 2013 monthly reports were not found in the files or in MACES. I had Quantum resend these two reports to us, which were received via email 7/30/14.</p> <p>March 2013 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was diverted to the flare once during this time period. Tail gas stream H2S was diverted to the flare for 1 day. Highest SO2 mass emission was 274.1 lb on March 6, 2013. Justin Thompson, Responsible Official</p>
07/09/2014	Scheduled Inspection		Announced, scheduled compliance inspection with ROP No.: ROP-MI-B5462-2009a.
06/19/2014	ROP Monthly	Compliance	<p>May 2014 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was not diverted to the flare during this time period. Tail gas stream H2S was diverted to the flare for 2 days. Highest SO2 mass emission was 11.4 lb on May 6, 2014. Justin Thompson, Responsible Official.</p>
06/05/2014	ROP Monthly	Compliance	<p>April 2014 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was not diverted to the flare during this time period. Tail gas stream H2S was diverted to the flare for 7 days. Highest SO2 mass emission was 33.8 lb on April 11, 2014. Justin Thompson, Responsible Official.</p>
04/22/2014	Other	Compliance	Technical review notes for 2014 ROP renewal

Activity Date	Activity Type	Compliance Status	Comments
04/22/2014	ROP Monthly	Compliance	March 2014 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was not diverted to the flare during this time period. Tail gas stream H2S was diverted to the flare for 6 days. Highest SO2 mass emission was 22.5 lb on March 22, 2014. Justin Thompson, Responsible Official.
04/03/2014	ROP Monthly	Compliance	February 2014 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was not diverted to the flare during this time period. Tail gas stream H2S was diverted to the flare for 4 days. Highest SO2 mass emission was 56.6 lb on February 1, 2014. Justin Thompson, Responsible Official.
03/06/2014	ROP Annual Cert	Compliance	Annual Compliance Certification for January 1, 2013 through December 31, 2013. Justin Thompson, Responsible Official. No deviations reported for the year.
03/06/2014	ROP SEMI 2 CERT	Compliance	Reporting period July 1, 2013 through December 31, 2013. Justin Thompson, Responsible Official. No deviations reported.
03/04/2014	ROP Monthly	Compliance	January 2014 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was not diverted to the flare during this time period. Tail gas stream H2S was diverted to the flare for 9 days. Highest SO2 mass emission was 210.4 lb on January 8, 2014. Justin Thompson, Responsible Official.

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01/21/2014	ROP Monthly	Compliance	December 2013 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was diverted to the flare for 6 days. Tail gas stream H2S was diverted to the flare for 5 days. Highest SO2 mass emission was 2,208.3 lb on December 22, 2013. Unusually large amount of inlet sour gas was burned in flare because of a power outage caused by an ice storm December 22 - 27. Justin Thompson, Responsible Official.
01/17/2014	ROP Monthly	Compliance	November 2013 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was diverted to the flare for 8 days. Tail gas stream H2S was diverted to the flare for 2 days. Highest SO2 mass emission was 2021.1 lb on November 20th & 21st. Unusually large amount of inlet sour gas was burned in flare because of a power outage November 18 - 22. Justin Thompson, Responsible Official.
12/06/2013	ROP Monthly	Compliance	October 2013 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. Inlet sour gas was diverted to the flare for 4 days. A negligible amount of acid gas was flared. Highest SO2 mass emission was 754 lb on October 11th. Justin Thompson, Responsible Official.
11/04/2013	ROP Monthly	Compliance	September 2013 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. No gas was diverted to the flare during September 2013. 0 lbs SO2 emitted for entire month.

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11/01/2013	ROP Monthly	Compliance	August 2013 hydrogen sulfide monitoring report for Rule 403. Report indicates compliance with permit limits. Limit is 2227 lb SO2 (1183 lbs H2S)/ 24 hour consecutive period. No gas was diverted to the flare during August 2013. 0 lbs SO2 emitted for entire month.
09/23/2013	ROP Semi 1 Cert	Compliance	J. Thompson RO
09/16/2013	ROP Monthly	Compliance	Monthly Rule 403 hydrogen sulfide monitoring report for July 2013. Report indicates compliance with permit limits. Highest SO2 on July 16 at 101.1. Limit is 2227 lb SO2/ 24 hour consecutive period.
08/14/2013	ROP Monthly	Compliance	Monthly Rule 403 hydrogen sulfide monitoring report for June 2013. Report indicates compliance with permit limits. Highest SO2 on June 27 at 289. Limit is 2227 lb SO2/ 24 hour consecutive period.
06/28/2013	ROP Monthly	Compliance	Monthly Rule 403 hydrogen sulfide monitoring report for May 2013. Report indicates compliance with permit limits. Highest SO2 on all days at 0.0 Limit is 2227 lb SO2/ 24 hour consecutive period.
04/10/2013	ROP Monthly	Compliance	Monthly Rule 403 hydrogen sulfide monitoring report for February 2013. Report indicates compliance with permit limits. Highest SO2 on 2/06/2013 at 11.6 Limit is 2227 lb SO2/ 24 hour consecutive period.
04/10/2013	MAERS	Compliance	Check MAERS for any review comments. Certified on 3/15/2013 J. Thompson RO.
03/20/2013	ROP Annual Cert	Compliance	J. Thompson RO
03/20/2013	ROP SEMI 2 CERT	Compliance	J. Thompson RO
03/11/2013	ROP Monthly	Compliance	Monthly Rule 403 hydrogen sulfide monitoring report for January 2012. Report indicates compliance with permit limits. Highest SO2 on 1/22/2013 at 751.6 Limit is 2227 lb SO2/ 24 hour consecutive period.
01/14/2013	ROP Monthly	Compliance	Monthly Rule 403 hydrogen sulfide monitoring report for November 2012. Report indicates that the flare was not used in November.

Activity Date	Activity Type	Compliance Status	Comments
12/19/2012	ROP Monthly	Compliance	Monthly Rule 403 hydrogen sulfide monitoring report for October 2012. Report indicates compliance with permit limits. Highest SO2 on 10/29/2012 at 726.9. Limit is 2227 SO2/ 24 hour consecutive period.

Name:

M. Lynn Lipson

Date:

8-13-14

Supervisor:

Michael W. [Signature]