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AIR POLLUTION CONTROL POM

Jeff Creason Environmental Services P.O. Box 11739 10700 East 350 Highway Kansas City, MO 64138 phone (816) 737-7527 fax (816) 743-2931 jeff.creason@aquila.com

October 31, 2005

Enforcement Unit Missouri Department of Natural Resources Air Pollution Control Program PO Box 176 Jefferson City, MO 65102-0176

RE:

Aquila – South Harper Peaking Facility, 037-0063

3rd Quarter Excess Emissions Report

FILED³
MAY 11 2006

Missouri Public Service Commission

Dear Enforcement Unit:

Pursuant to 40 CFR Part 60.7(d), and Condition 6.E.1 of Construction Permit 122004-017, Aquila submits the attached Excess Emissions Report for the above referenced facility.

Please note that the attached is the first quarterly report for this newly constructed installation. The operating period covered is from Continuous Emissions Monitor (CEM) provisional acceptance to September 30. Although the CEMS systems are working properly, a few programming changes are still required to fully utilize all of the reporting features of the Data Acquisition and Handling System (DAHS). The attached report is based on manual queries of the quarterly CEMS data.

If you have any questions regarding this report, please contact me at 816.737.7527.

Sincerely,

Jeff Creason

Environmental Engineer

Enclosure .

cc:

Tom Miller Debbie Nielsen Block Andrews Steve Brooks

Corporate File

Exhibit No. 17

Case No(s). FA-2006-030 9

Date 4-27-06 Rptr KG

Continuous Emissions Monitoring Quarterly Report

Installation Name: Aquila - South Harper Peaking Facility Installation Address: 24400 South Harper Road, Peculiar, MO 64078		October	28, 2005
0 4 51 4 11 - 007 0000			
County Plant Number: 037-0063			
Reporting Period: July 1, 2005 to September 30, 2005			
Reporting Under: 40 CFR Part 60.7(d), Construction Permit 122004-01	<u>7</u>		
Emission Point: UNIT 1			
CEMS: Teledyne - API Model 200EM NOx/O2 Analyzer, SN 133		1910111213	
Pollutant Monitored (limit): 15 ppmvd of NOx @ 15% O2, 3-hr average		th.	EQ. 1
Date of Last Audit: 8/10/2005 RATA	/\$2	₹ ¥.	<u> </u>
Total Source Operation Per Emission Point (hours): 84.4	123	39101112 15	18 19 19 19 19 19 19 19 19 19 19 19 19 19
Reasons for Excess Emissions	Duration (hours)	
Startup/Shutdown	\ % 0	¥1,50	Æ.
Control Equipment Problems	16.	25	27
Process Problems	0	EC528C40	
Other Known Excess Emissions	0		
Unknown Excess Emissions	0		
Fuel Problems	0		
Cleaning; Soot-Blowing	0		
Percent Operating Time Above Standard	0.0%	<u> </u>	
<1%			
	The Company of the St	TAKE I CANADA SADAR	HASH WEST
Code Comments 1942 1943 1944 1944 1944 1944 1944 1944 1944	arriga Ka		
Code Gomments 1022 122 122 122 122 122 122 122 122 12			
Reason for Monitor Downtimes & Code	ouration (r		
Reason for Monitor Downtime Code Code Code Code Code Code Code Cod	uration (P		
Reason for Moniton Downtime Code CEM Equipment Malfunction Non-CEM Equipment Malfunction	Puration (r 0 0		
Reason for Monitor Downtimes Code Code Code Code Code Code Code Code	Ouration (P O O O		
Reason for Monitor Downtimes Code CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime	Ouration (I) O O O O		
Reason for Monitor Downtime Code CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime *	0 0 0 0 0 0 1.5	nours)	
Reason for Moniton Downtime CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime Percent Operating Downtime	Ouration (I) O O O O	nours)	
Reason for Monitor Downtime Code CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime *	0 0 0 0 0 0 1.5	nours)	
Reason for Moniton Downtime CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime Percent Operating Downtime	0 0 0 0 0 0 1.5	nours)	
Reason for Monitor Downtime CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime Unknown CEM Downtime * Percent Operating Downtime <5% Gode Gomments * This report is the first Excess Emission Report for this new Unit.	Ouration (I 0 0 0 0 1.5 1.8%	nours)	
Reason for Monitor Downtime CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime * Percent Operating Downtime <5% Code Comments * This report is the first Excess Emission Report for this new Unit. software work is required by the CEMS DAHS vendor in order to	Ouration (f O O O 0 1.5 1.8% Some re-	nours) maining all reporting	
Reason for Monitori Downtime CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime Unknown CEM Downtime * Percent Operating Downtime <5% Code * This report is the first Excess Emission Report for this new Unit. software work is required by the CEMS DAHS vendor in order to features. If further details or information other than that contained	Ouration (f O O O 0 1.5 1.8% Some re-	nours) maining all reporting	
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Reason for Monitori Downtime CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime Unknown CEM Downtime * Percent Operating Downtime <5% Code * This report is the first Excess Emission Report for this new Unit. software work is required by the CEMS DAHS vendor in order to features. If further details or information other than that contained	Ouration (f O O O 0 1.5 1.8% Some re-	nours) maining all reporting	
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Reason for Monitori Downtime CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime Unknown CEM Downtime * Percent Operating Downtime <5% Code * This report is the first Excess Emission Report for this new Unit. software work is required by the CEMS DAHS vendor in order to features. If further details or information other than that contained	Ouration (f O O O 0 1.5 1.8% Some re-	nours) maining all reporting	
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Reason for Monitor Downtime CEM Equipment Malfunction Non-CEM Equipment Malfunction Calibration Other Known CEM Downtime Unknown CEM Downtime Unknown CEM Downtime * Percent Operating Downtime <5% Code This report is the first Excess Emission Report for this new Unit. software work is required by the CEMS DAHS vendor in order to features. If further details or information other than that contained a follow-up report will be submitted.	Ouration (I O O O 1.5 1.8% Some refully utilized in this rep	nours) maining all reporting	ered,

Continuous Emissions Monitoring Quarterly Report

	Date: October 28, 2005			
Installation Name: Aquila - South Harper Peaking Facil	lity			
Installation Address: 24400 South Harper Road, Peculi	iar, MO 64078			
County Plant Number: 037-0063				
Reporting Period: July 1, 2005 to September 30, 2005				
Reporting Under: 40 CFR Part 60.7(d), Construction Pe	ermit 122004-017			
Emission Point: UNIT 2	99101172			
CEMS: Teledyne - API Model 200EM NOx/O2 Analyzer,	SN 134			
Pollutant Monitored (limit): 15 ppmvd of NOx @ 15% O	D ₂ , 3-hr average			
Date of Last Audit: 8/9/2005 RATA	ermit 122004-017 SN 134 D ₂ , 3-hr average 115.0			
	3000			
Total Source Operation Per Emission Point (hours):	115.0			
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Reasons for Excess Emissions (a) Code	Direction (hours)			
Startup/Shutdown	0 SCECN-CLO			
Control Equipment Problems	O CSCSCVCCO			
Process Problems	0			
Other Known Excess Emissions	0			
Unknown Excess Emissions	0			
Fuel Problems	0			
Cleaning; Soot-Blowing	0			
Percent Operating Time Above Standard	0.0%			
<1%				
Gode Comments Wash 1 18				
Reason for Monitor Downtime Code Code	Duration (hours)			
CEM Equipment Malfunction	0			
Non-CEM Equipment Malfunction	0			
Calibration	0			
Other Known CEM Downtime	0			
Unknown CEM Downtime *	3.2			
Percent Operating Downtime	2.8%			
<5%				
Code - Comments - Comments - Code - C				
* This report is the first Excess Emission Report	for this new Unit. Some remaining			
software work is required by the CEMS DAHS ve				
features. If further details or information other the	an that contained in this report is discovered,			
a follow-up report will be submitted.				
Submitted by: Block Andrews, Director of Environmental Services				
Signature: Block Andrews	Date: 10/31/05			

Continuous Emissions Monitoring Quarterly Report

	Date:	October 28, 2005
Installation Name: Aquila - South Harper Peaking Faci		
Installation Address: 24400 South Harper Road, Pecul		
County Plant Number: 037-0063		
Reporting Period: July 1, 2005 to September 30, 2005		
Reporting Under: 40 CFR Part 60.7(d), Construction Pe	ermit 122004-017	
Emission Point: UNIT 3		18910177
CEMS: Teledyne - API Model 200EM NOx/O2 Analyzer,	SN 135	66 25
Pollutant Monitored (limit): 15 ppmyd of NOx @ 15% C	3-hr average	
Date of Last Audit: 8/11/2005 RATA	/ <u>**</u>	52/
Date of East Addit. 011 BE000 1011		ir ding
Total Source Operation Per Emission Point (hours):	83.6 5	* di
, , , , , , , , , , , , , , , , , , , ,	83.6	56 18 9 10 17 72 73 75 15 16 16 17 18 17 18 17 18 17 18 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18
Reasons for Excess Emissions 2. Aug. Code 4. Aug.	ROITSILLERINGER	INDUIS1第28年最終第二十五年
Startup/Shutdown *	1	Ecose ve con
Control Equipment Problems	0	-036.00-
Process Problems	0	
Other Known Excess Emissions	0	
Unknown Excess Emissions	0	
Fuel Problems	0	
Cleaning; Soot-Blowing	0	
Percent Operating Time Above Standard	1.2'	%
<1%		
Code Comments A Section 1997		
* A 3-hr corrected NOx average of 15.4 was rec		
exceedance appears to include startup/shudow		
included per Construction Permit 122004-017, C		
this "exceedance" are discovered, a follow-up re	port will be submitted.	
Reason for Monitor Downtime 1992 1992 Code	Duration	(hours)
CEM Equipment Malfunction	0	
Non-CEM Equipment Malfunction	0	
Calibration	0	
Other Known CEM Downtime	0	
Unknown CEM Downtime **	1.2	
Percent Operating Downtime	1.49	6
<5%		
Code Comments Live Tally Street Comments		comme ruma ruma e pelentina
** This report is the first Excess Emission Report		
software work is required by the CEMS DAHS ve		
features. If further details or information other th	an that contained in this re	eport is discovered,
a follow-up report will be submitted.		
Submitted by: Block Andrews, Director of Environment	al Services	
Signature: Block andrews		10/21/20
Signature: Block Undelies	Date:	10/31/05