Southwest Clean Air Agency - Combustion Monitoring Worksheet

Facility Name:		XYZ Company			SWCAA ID:	1234	Date Performed: 1/1/2013			
Emission Unit ID:		Boiler 3					on must not be less than 50			
Boiler Manufacturer:		ACME Boiler				 pollutant concentration nor more than 200% of the target/permitted pollutant concentration. A lower concentration span gas may be used if it is more representative of measured concentrations. The analyzer response check is failed if the difference between the pre-test and the second s				
Boiler Model Number:										
Boiler Serial Number:										
Burner Manufacturer:					post-test response checks is greater than 10% of the initial span value.					
Burner Model Number:							ay elapse between the pre-	est and post-	test analyzer	
Burner Serial Number:		12345			response check		NO call is required if signifi	aant avantitia		
Boiler Tuning Company:							NO ₂ cell is required if significatalysts, afterburners, etc.)			
Analyst Name:							in conjunction with the com			
Test Instrument Make:							within 15 days of monitoring		2011	
Test Instrument Model:		CK-1					ntation of monitoring and qu	ality assurance	ce results	
	Fuel Type:	Diesel			such as printou	its or datalog	file.			
Desi	gn Firing Rate:		MMBtu/hr							
Tested Firing Rate:		7.5	MMBtu/hr							
		est Calibration: 8:15 AM				40 CFR 63 Subpart JJJJJJ (Boiler MACT) Monitoring				
Time of Post-Te		est Calibration: 11:45 AM			Requiremen	Requirements for Liquid and Solid Fueled Boilers - Must be completed every 2 years				
	_						eleu every z years	r	(Yes/No)	
	Does your p		O or NO _x limit?		Was the burner		stad and antisched 0		Yes	
	Description	NO _x Limit	CO Limit	0 ₂			cted and optimized?		Yes	
1	Permit No 11-2945	(ppm) 90	(ppm)	Correction 3	Was the air-to- Were total CO		em operating properly?		Yes	
		90	50	3				l	Yes	
Quality Assur	rance Results						performed on the burner or	boiler system	in the "Test	
		NO _X (ppm)	CO (ppm)	O ₂ (%)	Notes" section.					
Span Concentration:		100	55	20.9						
Pre-Test Span Reading:		85	47	20.9	Poilor operating	a at poor ful f	Test Notes: ire on natural gas. No unusu			
Post-Test Span Reading: Pre-Test Zero Reading:		<u>93</u> 1.0	51 1.0	20.8			adjustments were made to			
Post-Test Zero Reading:		2.0	2.0	0.0	boiler or burner					
5					-	-				
Results (Record at least once every 30 seconds for 5 minutes)					Testing perform	ned by Bob S	mith - January 1, 2013			
	o	NO Deading		O Deeding						
Sample	Stack Temp (°F)	NO _X Reading	CO Reading	O ₂ Reading (%)						
As Found	341	(ppm) 84	(ppm) 86	2.3						
1	324	79	13	3.2						
2	324	78	12	3.2						
3	324	79	13	3.2						
4	324	79	14	3.2						
5	324	79	15	3.2						
6	324	79	13	3.2						
7	324	80	13	3.2						
8	324	78	13	3.2			WARNINGS:			
9	324	78	12	3.2	No Warnings					
10	324	78	11	3.2						
11 12										
12										
14										
15										
16										
17										
18										
19										
20										
Test Average	324.0	78.7	12.9	3.2						
	orrected Values	88.2	13.2	3.2						
Oxygen Corrected Value			13.3							
		©	©	I	Rev. 12/4/2013	5				
	or (dscf/MMBtu)	9,190								
Emissions (lb/MMBtu)		0.1141	0.0104	ll the Southwest	Clean Air Agency	at 360 574 3	2058			

Questions? - Call the Southwest Clean Air Agency at 360-574-3058