

7. STACK SPECIFICATION AT PROBE LOCATION

ITEMS	UNITS	LOW	NORMAL	HIGH
Stack H2O				
Stack static pressure				
Stack gas temperature				
Stack gas velocity				
Stack gas dew point				
Stack dust loading				
Stack ID				
Stack OD				
Height of probe location to the ground				
Location of probe in the plant process				
Type of filtration/APC devices				
Type of insulation material on the Stack				
Stack material				
Stack/Duct vibration at the probe location				

8. CEMS INFORMATION

Area Classification (safe or explosive area; provide class) <i>Indicate for each CEMS component location</i>				
CEMS Analyzer Enclosure Location <i>Indicate if there is any limit in the space</i>				
Required CEMS Analyzer Enclosure Type/Ratings	NO PREFERENCE			
Is CEMS Shelter required?	YES	NO		
Available instrument air specs				
Is UPS available for CEMS equipments?	YES	NO		
Available site voltage rating				
Is New installation or Replacement CEMS system?	REPLACEMENT	NEW	<i>If REPLACEMENT please provide specs of the existing system</i>	

9. ANALYZER INFORMATION

Is O2 to be measured?	YES	NO		
Is Moisture to be measured?	YES	NO		
Is USA EPA compliance software (DAS) required?	YES	NO		
Single or Multi gas component analyzer preferred?	SINGLE	MULTI	NO PREFERENCE	
Single or Dual range analyzer preferred?	SINGLE	DUAL	NO PREFERENCE	
Is specific make/model analyzer required?	YES	NO	<i>If yes please provide details</i>	
Required Analyzer Analysis Methods (IR, UV, CLD, etc)				NO PREFERENCE
CEMS PLC Modbus TCP/IP	YES	NO	NO PREFERENCE	
List of required analog/digital I/O's				

10. CALIBRATION INFORMATION

Daily zero/span calibration	AUTO	MANUAL	BOTH	NO PREFERENCE
System calibration (through the probe)	YES		NO	NO PREFERENCE
Cal gas cylinder/regulator provider	CUSTOMER		CEMTREX	

11. CEMS SAMPLING TYPE

STRAIGHT EXTRACTIVE IN-SITU	DIL. EXTRACTIVE OTHER:	MULTIPLEX SYS.	HOT/WET	NO PREFERENCE
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12. PROBE TUBE MATERIAL

SS	HASTELLOY	PVDF	PTFE	CERAMIC	HEATED	NO PREFERENCE
OTHER:						

13. FLANGE SIZES (ANSI 150 LBS)

2"	2,1/2"	3"	3,1/2"	4"	5"	6"	8"
NO PREFERENCE		Flange Orientation:					
OTHER:							

14. PROBE

BLOWBACK	SS ENCLOSURE	FIBERGLASS ENCLOSURE	CHAMBER HEATER	ENCLOSURE HEATER
SS CHAMBER	HASTELLOY CHAMBER	0,1 um CERAMIC FILTER	1 um CERAMIC FILTER	2 um CERAMIC FILTER
OPTIONAL				NO PREFERENCE

15. SAMPLE LINE INFORMATION

HEATED	NON-HEATED	FREEZE PROTECTION	SELF REGULATED	NO PREFERENCE
Quantity / Length (ft):				
<i>Note: Sample line types are application specific and varies respect to sample extraction type</i>				

16. OPTIONAL

FACTORY ACCEPTANCE TEST	START-UP/COMMISSIONING
# of days for Start-up & commissioning:	

17. INSTALLATION SITE AMBIENT CONDITIONS

ITEMS	UNITS	LOW	NORMAL	HIGH
Ambient Temperature				
Ambient Relative Humidity				
Wind Speed				
Altitude				

1. . ADD ANY OTHER IMPORTANT INFORMATION ABOUT THE APPLICATION THAT WILL NEED TO BE CONSIDERED IN THE DESIGN AND SUPPLY OF THE CEM SYSTEM (PROVIDE A SIMPLE SKETCH/SCHEMATIC OF THE APPLICATION, STACK OR DUCT LOCATIONS CONTROL ROOM)

Signature of the Compiler: _____

Name of the Compiler: _____

Position: _____

Date: _____