

Waste Gas (Emission Stream) to be Burned

29.	Name	Quantity Grains of H ₂ S/100 ft ²	Quantity-Density (LB/hr, ft ³ /hr, etc)	Source of Material

30. Estimate total combustibles to afterburner lb/hr or ACF/hr

31. Estimated total flow rate to afterburner or catalyst including materials to be burned, carrier gases, auxiliary fuel, etc.: lb/hr, ACF/hr, or scfm
 Total flow rate = Flue gas flow rate

32. Afterburner operating parameters:	During maximum operation of feeding unit(s)	During typical operation of feeding unit(s)	During minimum operation of feeding unit(s)
Combustion chamber temperature in °F			
Emission stream gas temperature in			
Combined gas stream entering catalyst bed in			
Flue stream leaving the catalyst bed			
Emission stream flow rate (scfm)			
Efficiency (VOC Reduction)	%	%	%
Efficiency (Other; specify contaminant)	%	%	%

33. Inlet Emission stream parameters:	Maximum	Typical
Pressure (mmHg):		
Heat Content (BTU/scf):		
Oxygen Content (%):		
Moisture Content (%):		
Are halogenated organics present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Are particulates present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Are metals present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	

34. For thermal afterburners, is the combustion chamber temperature continuously monitored and recorded?
 Yes No

35. For catalytic afterburners, is the temperature rise across the catalyst bed continuously monitored and recorded? Yes No

36. Is the VOC concentration of exhaust monitored and recorded? Yes No

37. Describe any air pollution control device inlet and outlet gas conditioning processes (e.g., gas cooling, gas reheating, gas humidification):

38. Describe the collection material disposal system:

39. Have you included **Afterburner Control Device** in the Emissions Points Data Summary Sheet?

40. Proposed Monitoring, Recordkeeping, Reporting, and Testing

Please propose monitoring, recordkeeping, and reporting in order to demonstrate compliance with the proposed operating parameters. Please propose testing in order to demonstrate compliance with the proposed emissions limits.

MONITORING:	RECORDKEEPING:
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REPORTING:	TESTING:
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MONITORING: Please list and describe the process parameters and ranges that are proposed to be monitored in order to demonstrate compliance with the operation of this process equipment or air control device.

RECORDKEEPING: Please describe the proposed recordkeeping that will accompany the monitoring.

REPORTING: Please describe any proposed emissions testing for this process equipment on air pollution control device.

TESTING: Please describe any proposed emissions testing for this process equipment on air pollution control device.

41. Manufacturer's Guaranteed Capture Efficiency for each air pollutant.

42. Manufacturer's Guaranteed Control Efficiency for each air pollutant.

43. Describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty.