

<p>25. Collecting rappers:</p> <p>Type of rappers:</p> <p>Number of rappers:</p> <p>Time interval between raps of the same rappers: _____ sec</p> <p>Total time for one complete rapping cycle: _____ sec</p>	<p>26. Discharge rappers:</p> <p>Type of rappers:</p> <p>Number of rappers:</p> <p>Time interval between raps of the same rappers: _____ sec</p> <p>Total time for one complete rapping cycle: _____ sec</p>
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27. Plate cleaning system: Rapping Water spray washing Other, specify

28. Sectionalization and power requirements:

<p>Number of fields:</p> <p>Number of bus sections:</p> <p>Total:</p> <p>In series:</p> <p>In parallel:</p> <p>Number of gas passages:</p> <p>Cross-sectional area per gas passages: _____ ft²</p> <p>Applied voltage (peak): _____ volts</p>	<p>Current density on wires: _____ mA/ft</p> <p>Total power requirements: _____ kW</p> <p>Field strengths:</p> <p>Charging: _____ KV/in</p> <p>Collecting: _____ KV/in</p> <p>Sparking Voltage: _____ volts</p> <p>Sparking rate (optimum): _____ no./sec</p> <p>Proposed power supply:</p> <p>Type rectifiers:</p> <p>Number of Transformers:</p>
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How would the loss of one field affect the performance of the precipitator?

Particle Distribution

29. Complete the table:	Particle Size Distribution at Inlet to Collector	Fraction Efficiency of Collector
Particulate Size Range (microns)	Weight % for Size Range	Weight % for Size Range
0 – 2		
2 – 4		
4 – 6		
6 – 8		
8 – 10		
10 – 12		
12 – 16		
16 – 20		
20 – 30		
30 – 40		
40 – 50		
50 – 60		
60 – 70		
70 – 80		
80 – 90		
90 – 100		
>100		

30. Supply curve showing the expected collection efficiency versus content of coal burned over a range of 0.4% to 5% sulfur (if applicable).

31. Supply curve showing the collection efficiency versus gas volume from 90 to 130 percent of design rating of precipitator.

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

33. Describe the collection material disposal system:

34. Have you included **Electrostatic Precipitator Control Device** in the Emissions Points Data Summary Sheet?

35. 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.

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

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

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