



PROJECT SUMMARY

Flat Glass Exhaust + Scrubber CEMS / January 2024

AMP-Cherokee Environmental Solutions has been chosen to design, build and install a Continuous Emissions Monitoring System (CEMS) to measure Exhaust Stack and Scrubber Inlet emissions, as well as, Opacity and Flow, at a flat glass manufacturing facility.

AMP-Cherokee will install new dilution extractive sample probes, probe controllers, analyzers, freeze protect sample umbilical, instrument racks, PLC and data acquisition system.

Teledyne API N-series NOX and SO2 analyzers have been specified. Flue gases shall be extracted by M&C wet-basis dilution probes. Opacity will be measured by Durag, stack flow by Optical Scientific and stack temperature by Omega.

The Data Acquisition System (DAS) consists of an Allen-Bradley CompactLogix and PanelView HMI, and an Agilaire AirVision/CEM DAS. The PLC will manage each CEMS blowback control, calibrations, alarms, analog inputs/outputs, data processing and short-term data storage in case of a network failure. The DAS will provide a view of the systems' operations, handle reporting, data flagging and long-term storage of collected data.

CEMS Options available for this project include redundant gas analyzers, and adding an ABB Tunable Diode Laser to the exhaust stack CEMS to measure NH3 for process control.

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