

Rebar Micro Mill Steel Plant CEMS / January 2024

AMP-Cherokee Environmental Solutions has been chosen to design, build and install a redundant Continuous Emissions Monitoring System (CEMS) to measure emissions on the clean side of the baghouse, as well as measuring the volumetric flow. Teledyne API N-series NOX, SO2 and CO and CO2 analyzers have been specified.

Flue gas will be sampled using dry extractive techniques consisting of a hot wet sample. Flow shall be measured by a differential pressure pitot tube type gas flow monitor.

The Data Acquisition System (DAS) consists of an Allen Bradley CompactLogix PLC and VIM Technologies *CEMLink™ 6* software with an Operator Interface Terminal (OIT). The local OIT panel will provide local scheduling of calibrations, manual calibration initiation, display of measured gases and local indication of alarms. A ProSoft CompactLogix Profibus Module allows communication between the plant Siemens PLC and DAS Allen Bradley PLC.

New analyzers, sample probe, flow monitor, sample conditioning assembly, sample and flow tube bundles, triple bay instrument rack, air clean-up assembly, calibration valve manifold and calibration gas cylinder rack will be provided.