

Hanford, California Food Plant - Food Processing

CAPACITY: 182 MMBtu

A Seasonal Food Processing Plant installed a PEMS for compliance with 40 CFR Part 60 on one boiler at their facility in Hanford, California. The PEMS was certified in July 2008 initially under the draft PS-16.

The Seasonal Food Processing Plant owns and operates a boiler at their facility in Hanford, California. The boiler, identified as Boiler 3, is a 182 MMBtu/hour Babcock and Wilcox natural gas-fired water-tube steam boiler equipped with a Coen low NOx burner, flue gas recirculation system, and selective catalytic reduction system. The boiler is operated in accordance with permit no: C-366-3-7 issued by the San Joaquin Valley Air Pollution Control District.



*Not actual site. Source: World Food Processing

These units are subject to 40 CFR 60, Subpart Db - Standards of Performance for Industrial/Commercial/Institutional Steam Generating Units. These regulations require installation, calibration, maintenance, and operation of a continuous emission monitoring system for measuring and documenting NO_x and O₂ (or CO₂) emissions discharged to the atmosphere.

The exhaust gas is discharged to the atmosphere through 41inch diameter stack. Emissions are monitored using a statistical hybrid predictive emissions monitoring system (PEMS). The PEMS installed is a SmartCEMS[®]-60 analyzers provided by CMC Solutions, L.L.C. Model training data was collected with a certified continuous emission monitoring system (CEMS). Data used in the model was collected in June and July, 2007. The SmartCEMS[®]-60 PEMS was installed in July, 2007

DAS System: None

History of Project Development:

06/01/2007 – 07/01/2007

Model training data was collected

07/02/2007

The model was deployed at the site. The initial PEMS serial number was B13.4537.070207.

01/28/2008

Certification documentation was prepared for Boiler 3 PEMS

08/04/2010

A revised model was deployed. The serial number was reissued as BLR3.1753.40394.3535.

PRODUCTS:

