

Tekran 3300Xi HgCEM System

Rev. 042114

USA Mercury Regulation Activity

The EPA Electric Generating Unit Mercury and Air Toxics (EGU MATS) and Portland Cement Maximum Achievable Control Technology (PC MACT) regulations require reductions in gaseous mercury emissions. Tekran has proven technology to support mercury compliance monitoring, abatement system optimization, and performance audit testing instrumentation.

Air Pollution Control Equipment: Performance Guarantees and Acceptance Testing

Architect engineers, consultants, and end users are seeking validation of mercury abatement technologies including, but not limited to:

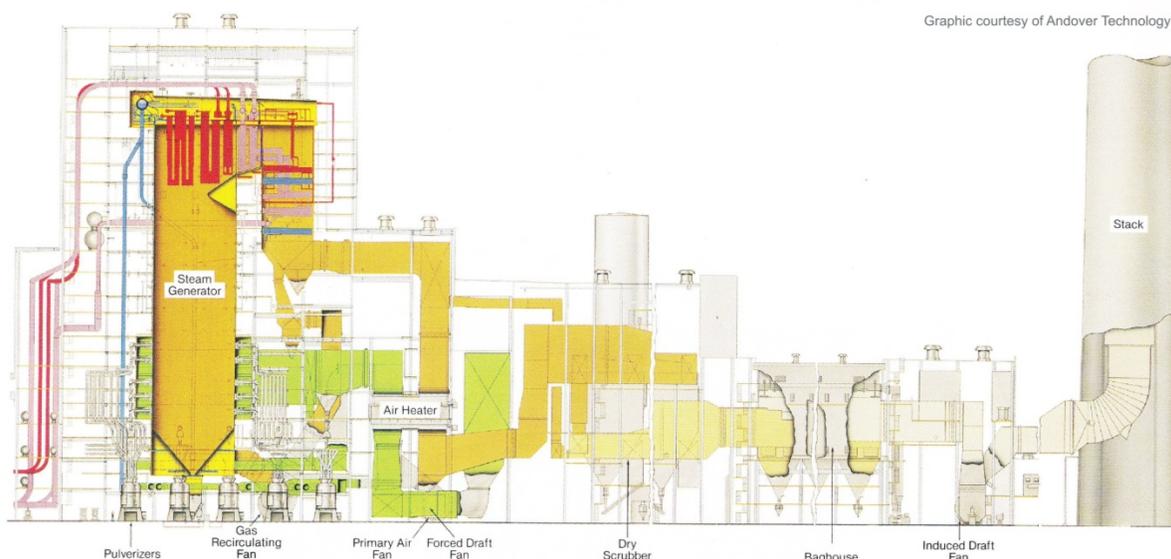
- Pre-combustion chemical additives
- Post-combustion treatment
- Mercury oxidizing technologies
- Wet scrubber additives
- Custom mist eliminators

Current specifications requiring performance guarantees may be challenging to comply with:

- Inlet/outlet conditions are ill-defined
- Sorbent trap systems may over estimate gaseous Hg

TEKRAM IS THE ONLY COMPANY PROVIDING ALL THE FOLLOWING:

- ✓ Ten years of HgCEMS design, manufacture, and service support
- ✓ Multi-point HgCEMS sampling technology for inlet/outlet testing
- ✓ NIST Traceability – Tekran 3310Xi low and high level generators used by NIST
- ✓ Low-level measurements certifications of accuracy (EPRI, EERC, CATM, ICCI)
- ✓ Service personnel average 10,000 hours of field and laboratory experience
- ✓ Parts, training, dial-up support



The **New Tekran 3300Xi** has the same proven components of the successful Tekran 3300. The Tekran 3300Xi is modular, simpler to install and maintain, includes the new Tekran 2537Xi detector and is operated with updated CEM+ software (Tekran 3321 pictured). The 3300Xi is the ideal platform for inlet-outlet control technology optimization, regulatory monitoring of mercury emissions and bench-scale laboratory research.

Tekran HgCEMs are operating at:



2537Xi - Mercury Vapor Analyzer

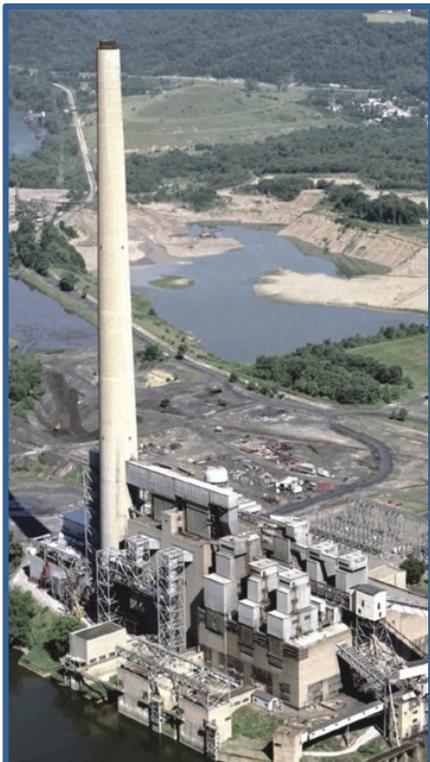


3310Xi - Elemental Mercury Calibrator

- Coal fired power plants
- Cement kilns
- Steel mills
- Waste incinerators
- Abatement research sites



3321 - Wall Mounted Sample Conditioner



- Wall mounted to simplify installation and serviceability
- NIST traceable Hg generators
- Modular 3321 accepts speciation, oxidizer, or THC/HCl package
- Solutions for Hg control research for bench-scale, pilot plant and full-scale