



**VIETNAM ENVIRONMENTAL ADMINISTRATION (VEA)
CENTRE FOR ENVIRONMENTAL MONITORING (CEM)**

Website: <http://www.quantracmoitruong.gov.vn/>

MERCURY MONITORING IN VIETNAM – UPDATED

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Mercury monitoring activities in Vietnam



- 2012: workshop in Taiwan
- 2013: Workshop in EPA, Washintong DC.
- 2014: Vietnam has joined the Asia-Pacific Mercury Monitoring Pilot Network

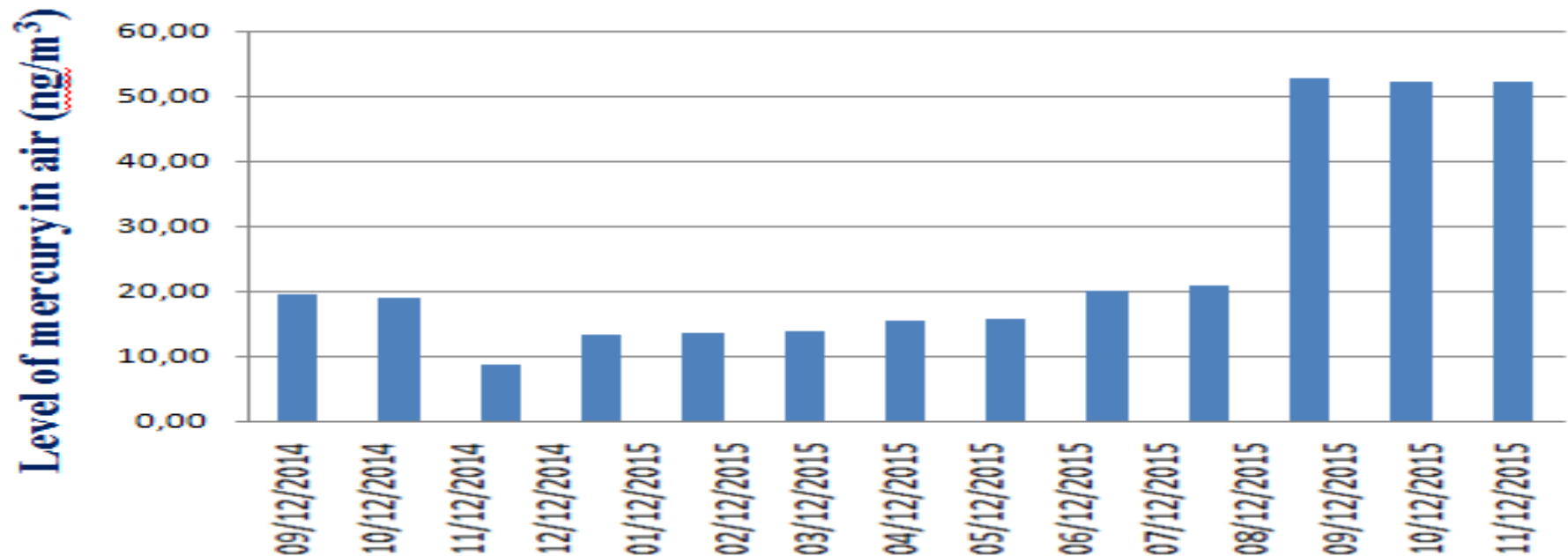




Updated atmospheric mercury level in Hanoi, Vietnam

Location: building No.556, Nguyen Van Cu, Gia Lam, Hanoi

The samples are send to National Central University (NCU) of Taiwan for mercury analysis



Mercury monitoring activities in Vietnam

- CEM is now cooperating with the PCD (Pollution Control Department) on the “Reducing mercury emission from Coal Combustion in the energy sector in Viet Nam” Program together with UNEP.
- CEM did cooperate with the UNEP Experts to do the sampling at Pha Lai Coal Power Plant from March 23rd, 2015 to March 27th, 2015.

**UNEP supported instrument for sampling and analysis Hg for CEM in 2015
(Apex A instruments – Model XC-260)**



Pilot of mercury monitoring at Pha Lai Coal Power Plant, Vietnam

- Mercury sampling progress at Pha Lai Coal Power Plant
 - Stack sample

Date of monitoring: 28/3/2015

1) Level of Hg in fly ash samples:

2) Level of Hg in coal:



Mercury monitoring activities in Vietnam

Equipment checking
before sampling



Mercury monitoring activities in Vietnam

Samples are analyzed in field



OHIO LUMEX Sorbent Trap Chain of Custody

Plant/Source: _____ Test Location: _____

Boiler ID: _____ Trap ID: OL 118200

Trap A B (Circle One)

☐ Unspiked ☒ Spiked At: 300 ng QA/QC Signature (Trap)

Spike Date: 2-8-12 Spike Time: 1045 QA/QC Signature (Trap)

Estimated Hg in Section 1: _____ ng

Sampled By: _____ Type of Trap: 30B

Test Start (Date/Time): _____ Leak Check: _____ Test End (Date/Time): _____ Leak Check: _____

Pass/Fail: _____ Pass/Fail: _____