

Workshop on VOC installations: Requirements – Emission Monitoring – Best Available Techniques– Minsk – Belarus

Date: November 11-12, 2019

Hosted by the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus, Minsk

Introduction to the workshop

The workshop is part of the institutional activities carried by the Task Force on Techno-Economic Issues (TFTEI), technical body of the UN-ECE Air Convention, in line with the item 2.3.7 of the workplan 2018-2019 (ECE/EB.AIR/2017/1) for the implementation of the Convention. The workshop is organized with funds of the Federal Government of Germany made available through the German Federal Agency for Environment (UBA). The venue of the workshop is kindly offered by the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus, in Minsk.

During the works of the Berlin Workshop to Promote the Ratification of Protocols of the UNECE Air Convention with Focus on Countries in the EECCA Region, held in Berlin, May 14 to 16, 2019, the need of providing assistance and guidance to the EECCA experts on estimation and measurement of VOCs emissions was recognized. Therefore, the workshop on VOC is mainly intended to provide clear examples of methods and applications to correctly approach the issue of VOC, in line with the Gothenburg Protocol provisions. The workshop is devoted to a limited number (up to 12) of specific experts and practitioners from EECCAs, involved in VOC management.

English – Russian simultaneous translation will be provided.

Agenda

Day 1:

09:30 am - Welcome – Introduction and objectives of the workshop

09:45 am - Presentation of annex VI on VOC emissions of the Gothenburg Protocol and the guidance, expressions of ELVs (Nadine Allemand, Citepa)

10:15 am Measurement of VOC emission from stacks of installations (Robert Behm/Dr. Richard Schlachta)

- Emission measurement methods for determination of total VOC concentration,
- Emission measurement techniques for determination of individual VOC,
- Other parameters to monitor (waste gas flue gas, O₂, t°...)
- Requirements for measurement sections and sites and for the measurement objective, plan and ,
- Continuous monitoring/point monitoring and representativeness issues
- Conversion of units (C eq in VOC)

11.30 am Discussion and exchange

12.00 am – Lunch Break

13.00 pm - Principles of the solvent management plan (SMP): (Nadia Taieb, Citepa)

- How to develop a solvent management plan
- How to estimate the different component of the balance

14.00 How to develop a SMP - exercises: (Nadia Taieb)

- Printing industry
- Fine chemicals process

15.00 – 15.30: Discussions – exchanges/ question/ answers on the SMP

15.30 Break

15.45 Case studies from Germany – Implementation of Chapter V IED (Robert Behm/Dr. Richard Schlachta – examples for a better enforcement

16.45 Final discussion and wrap-up

17.00 End of Day 1

Conference Dinner on Invitation of the Environment Ministry Germany

Day 2:

9:00 am – German Country Experience with installations of Chapter V IED –Part I
Case studies including permitting/registration and inspection as well as application of Best Available Techniques to prevent and to reduce VOC emissions (Robert Behm/Dr. Richard Schlachta) – Part I

Different types of installations are illustrated

10.30 Coffee Break

10.30 – 11.30 - German Country Experience with installations of Chapter V IED – Part II
Case studies including permitting/registration and inspection as well as application of Best Available Techniques to prevent and to reduce VOC emissions (Robert Behm/Dr. Richard Schlachta) – Part II

11.30 Discussion and exchange on Chapter V IED installations

12.00 Lunch

13.00 – 15.15 Control of volatile organic compound (VOC) emissions resulting from the storage of petrol and its distribution from terminals to service stations – German country experience and Best Available Techniques (Robert Behm, Dr. Richard Schlachta)

 Petrol vapour recovery during refuelling of motor vehicles at service stations – German country experience and Best Available Techniques (Robert Behm, Dr. Richard Schlachta)

Workshop 2: Improve the permitting procedures in Belarus - SAQEM

Begins at 15:30, 12th Nov

Ends at 17.30, 12th Nov

1. Introducing the provisions of Chapter V of IED and Chapter VI of Gothenburg Protocol in the Permitting system of Belarus. Establishing ELV and special control procedures. Preparing Solvent Management Plans. Foreign experience to be followed. Progress made so far.
2. Analysis of the Integrated Permitting system in Belarus based on the analysis of existing permits. Recommendation on how to fill the existing Gaps at National and Installation level.