

Minutes #46

ACAP Expert Group on Dioxins and Furans

6th of November 2015 (Moscow)

1. Opening of the meeting

The meeting was opened and attended by

- Mr Ruslan Butovskiy, RU
- Ms Inger-Karin Riise Hansen, NO
- Mr Niklas Johansson, SE
- Mr Åke Mikaelsson, SE + EG Chair

2. Adoption of the agenda

The proposed meeting agenda was reviewed and adopted.

3. Review and adoption of the Minutes from the following EG Meetings:

Due to lack of time in follow of the time extensive technical Meeting, EG#46T, it was agreed to postpone the adoption of the many Minutes till a later meeting, when this issue could be dedicated more time.

4. Follow-up of tasks distributed at PSG Meeting #45

- It was concluded that the Draft v7 of the Final report of the Sampling & Analysis Assignment had been submitted to the EG by Mr Kuznetsov, but also however, that the gathered comments submitted by the Chair on the 25th of August 2015 had not been completely or comprehensively included.
- It was with satisfaction concluded that Mr Kuznetsov had arranged the technical Meeting (EG#46T) in Moscow on 5th of November 2015 during which Mr Samsonov, the Director of NPO Typhoon had been present together with relevant specialist, Ms Barsukova, for discussion on the technical details of the report,
- It was also concluded that the Technical Meeting, EG#46T, had given answers to most of the questions put, regarding the reference samples sent to Umeå for analysis. At the moment, only question (iv) below remains un-solved, but is expected to be answered on 9th of November 2015:
 - i. Clarify correspondence between samples sent to Sweden and those analysed by Typhoon, preferably in a table as proposed in ver. 4 of the report
 - ii. Confirmation that the samples transferred to Sweden are the full samples
 - iii. Information on the gas volume that each sample represent
 - iv. Oxygen concentration and moisture content of gases if sample volume has not been normalised to 10% O₂ and dry gas
 - v. Confirmation that sample 5 is taken directly after sample 4
 - vi. Confirmation that sample 10 is taken directly after sample 9
- It was noted that Mr Forsström had drafted the Agenda for the Wrap-up meeting together with Mr Kuznetsov.

- It was concluded that Mr Forsström had given COWI green light regarding the Report structure and also communicated with COWI regarding the completion of the Action Plan for VCP and the agenda to the Wrap-up Meeting.
- The necessary contacts with Ms Tiupenko had been kept by regarding the practicalities for as well the Arctic Conference as for the Wrap-up meeting.
- It was concluded that the third set of slides, describing the work of the EG Dioxins in the frame of the ACAP and AC context had been prepared by Mr Mikaelsson and successfully presented in at the Arctic Conference In Syktyvkar.

Still remaining tasks from previous meetings

- It was concluded that the task to *Submit a "kick-off-mail" to all the members of the new, merged Expert Group as soon as the ACAP Secretariat has submitted the corresponding message and thus shared the e-mail addresses* had not yet been carried out by the Chair and now has to be fulfilled at the soonest.

5. Completion of the Final Report from the Sampling and Analysis Assignment

- a) *Assessment of the output from the Technical Meeting #46T on the 5th of November and the Wrap-up Meeting on the 6th of November 2015*

The EG now has the impression that some clarity and results were achieved during the meeting and we now can see a fairly clear way forward and that it is a key issue that the Polar Fund now better involves the Typhoon. It seemed as that PF previously did not involve Typhoon to the level necessary, with a very low level of interaction, in particular on the strategic and long term views of the assignment. Typhoon also appears to have been reluctant to face the bigger challenge of this task, e.g. beyond the purely technical task. We also had to lower the ambition level for getting something in reasonable time. Finally, it was deemed a necessary decision to leave the broader issues regarding readability etc. after the Draft Final Report v8 has been submitted.

- b) *In follow of the Technical Meeting, the following decision were taken on the time plan and further steps for completion of the Final Report from the Sampling and Analysis Assignment:*

- i. Niklas provide questions regarding the Umeå analyses by 6th of November to PF/Typhoon which shall be answered by 9th of November 2015
- ii. COWI provide revised comments by 6th of November
- iii. PF/Typhoon respond to the revised COWI comments by a) a comment-by-comment answer (incl. possible comments on deviating opinions) and b) a revised Final Report v8. Time frames for 3 to be agreed on Monday 9th of November 2015.
- iv. Niklas/COWI prepare a section 4.2. with the results from Umeaa analyses incl. a discussion on the comparison between Umeå-Typhoon and submit it to PF/Typhoon by 13th of November 2015
- v. PF/Typhoon include Section 4.2 into the Final Report v8 (as well as its conclusions into the Conclusion section)
- vi. Based on the Final Report v8, EG+COWI, within two weeks, summarise further possible recommendations on increased Final Report's readability and general quality.
- vii. PF considers the recommendations and includes them into the Final Report to an extent deemed possible.

6. Completion of the Action Plan for Vorkutinskiy Cement Plant

a) *Assessment of the output from the Wrap-up Meeting on the 6th of November 2015 and the Action Plan for VCP proposed by COWI*

It was noted that there was not a very clear demarcation between the Technical and the Wrap-up meetings, and that many details still were discussed during the latter. Since Mr Kuznetsov and Mr Forsström during this meeting were joining Typhoon and COWI in their continued discussions, it probably had to be so. It was noted with astonishment that COWI had not understood the task with the Action Plan to address solely the actions of the enterprise, and not the different steps of the hot spot exclusion procedure taken care of by the BEAC Subgroup for Hotspot Exclusion in close cooperation with the regional environmental authorities. It was also noted that the disseminative part of the Wrap-up probably need to be carried out at a later occasion when i) both Final Reports are ready, ii) Lomako's and iii) the environmental authorities positions have been discussed.

b) *Discussion on possible solutions for implementation of the proposed Action Plan for VCP, incl. Financial issues and position with respect to the proposed Hot Spot Exclusion of Ko2-1.*

It was concluded that COWI did not yet propose a clear action plan, but a set of possible actions that they intend to propose:

- i) Installation of Equipment for Monitoring of Operations and Emissions
- ii) An Environmental Management System
- iii) Tuning of the Electro-Static Precipitation (ESP) filter, what was deemed to enable a cut from today's 98,7% dust emissions to 99,87% at a cost of some 100 000 k€.

The EG generally welcome the proposed Actions, while making the reflections that the ESP-tuning probably is the most "low-hanging fruit", that will be prioritised by the enterprise and that the Monitoring probably could be split into one part for optimization of operations and one part of monitoring emissions. The Environmental Management System so far was deemed the least "hot" of the actions. It was also noted, that the Russian Cement-BREF, already drafted most probably should prescribe some kind of EMS, which then may be an incitement for the enterprise.

c) *Decision on further steps of the EG to interact with COWI on the Draft Final Report incl. Action Plan for VCP:*

It was concluded from the Wrap-up Meeting that COWI will take the following steps:

- i) Submit a brief paper to Vorkutinskiy Cement Plant on the proposed actions
- ii) Arrange a telephone meeting with Director Lomako by the end of next week
- iii) Determine further steps and their appropriate timing (Completion Plan) in coordination with Mr Lomako

Based on this, **it was decided** that the steps of the EG will be to:

- i) Submit the Russian Cement-BREF to Mr Lomako
- ii) When received, discuss COWI's proposed action plan with Komi authorities

d) *Decision on messages and dates for communicating with Mr Lomako and the environmental authorities in the Komi Republic*

Based on the premature situation with as well completion of the reports as with the prerequisites and response to the Action Plan, the **it was decided** that No

communication actions shall be taken with the Vorkutinskiy Cement Plant till COWI and NEFCO have had their meetings with Mr Lomako and reported back to the EG.

7. Start-up of the new EG on POPs and Mercury

- a) *Discussion on the possible directions and steps for best facilitating merging of the EG on Dioxins and Furans with the EG on Mercury into a joint Expert Group on POPs and Mercury (incl. the relevance of a revised Work Plan)*

As a suitable way for facilitating the merging in accordance with ACAP's decision in Tromsø on 18th of September 2015, it was agreed that a meeting is needed as soon as possible and that the approach could be to define the most relevant, current projects implemented or planned by the two EG:s, the people involved in them perhaps also to try to develop a joint Work Plan.

- b) *Meeting options in the near future*

Since it was concluded that it may be difficult to organize a physical meeting before new year, it was agreed to try to find a date as soon as possible. A video meeting to start with was not deemed optimal, but may need to be started with.

It was decided that Mr Mikaelsson contacts the chair of the EG Mercury, Ms Marianne Bailey, to discuss possible options and also starts drafting an Agenda for a first meeting.

8. Background on ACAP meeting and PSI meetings in January 2015

- a) *ACAP Meetings in Washington in 2-4 of February 2016 and in Krasnoyarsk June 2016*

The Chair submitted what so far had been revealed about the two ACAP WG meetings to follow in the first half of 2016 and that this should be seen as an important pulse for further progress.

It was also concluded that there is an expectation that the new EG can deliver applications to the PSI, preferably to the ACAP meeting in Washington in February 2016.

- b) *PSI Meeting in Helsinki in February 2016*

As a possible application to the next PSI Meeting, it was concluded that Mr Butovskiy is ready to start the development of an Action Project under the auspices of the P2345 project for which the EG Dioxins got an Expression of Interest (Eoi) approved by the PSI Committee in February 2015.

It was agreed that this project should be better discussed at the following EG meetings.

9. Administrative matters for the "transition" of the EG on Dioxins and Furans

- a) *Photographing of the "old" EG on Dioxins and Furans*

In order to up-date the presentation of the EG (despite of the merging), a new group photo was taken with Mr Ruslan Butovskiy included.

- b) *Adoption of remaining Minutes*

Due to lack of time this agenda point had to be postponed to a later occasion.

- c) *Posting of Minutes and documents to the ACAP Web-site*

Due to lack of time this agenda point had to be postponed to a later occasion.

- d) *Options for a special "Exit Meeting" to facilitate b and c?*

It was concluded that it is urgent to review and adopt all remaining Minutes within soon and that a special "catch-up heat" for the EG Dioxins needs to be arranged as well for this purpose as for the uploading of other relevant documents at the ACAP Web-site. Since it

showed possible to find a joint time on the 1st of December 2015, it was agreed to devote enough time also for this issues.

10. Task Distribution

- Submit a “kick-off-mail” to all the members of the new, merged Expert Group as soon as the ACAP Secretariat has submitted the corresponding message and thus shared the e-mail addresses (Åke)
- Provide questions regarding the Umeå analyses by 6th of November to PF/Typhoon which shall be answered by 9th of November 2015 (Niklas)
- Provide PF/Typhoon response to the revised COWI comments by a) a comment-by-comment answer (incl. possible comments on deviating opinions) and b) a revised Final Report v8. Time frames for 3 to be agreed on Monday 9th of November 2015 (Dmitriy)
- In cooperation with COWI prepare a section 4.2 with the results from Umeå analyses incl. a discussion on the comparison between Umeå-Typhoon and submit it to PF/Typhoon by 13th of November 2015 (Niklas)
- Safeguard that PF/Typhoon include Section 4.2 into the Final Report v8, as well as its conclusions into the Conclusion section (Dmitriy)
- Within two weeks after reception, in cooperation with COWI and based on the Final Report v8, summarise possible further recommendations on increased readability and general quality of the Draft Final Report on the Sampling & Analysis assignment (Niklas)
- Safeguard that PF considers the recommendations and includes them into the Final Report to an extent deemed possible (Dmitriy)
- Submit the Russian Cement-BREF to Mr Lomako (Ruslan)
- When received, discuss COWIs proposed action plan with Komi authorities (Åke + Henrik)
- Contact the Chair of EG Mercury, Ms Marianne Bailey, and discuss possible options for meeting arrangements and also to prepare an Agenda for a first meeting (Åke)
- Present the draft project proposal for an Action Project under the auspices of the P2345 project, for which the EG Dioxins got an Expression of Interest (EoI) approved by the PSI Committee in February 2015 (Ruslan)
- Finalise the Minutes #38 and #39 (Åke)
- Review and adopt/comment on all non-adopted Minutes, in particular #40,#41, #42, #43, #44 and #45 (Dmitriy)
- Consider and prepare other materials, in particular reports, brochures etc. to be published on the ACAP Web-site. (All)

11. Time for next meeting

- a) The next EG meeting was scheduled for 1st of December 2015 at 09.00 – 12.00 CET/11.00 – 14.00 MT.

12. Closure of the meeting

The Chair expressed his gratitude to all participants and declared the meeting closed.