



Minutes

61st Meeting of the Subgroup for Hot Spots Exclusion (SHE#61)

Meeting at Kjerringøy, September 27, 2017

1. Opening of the Meeting

The meeting was opened at 10.00 (Oslo time). The following participated:

- Norway (Hanne Aronsen, co-chair, Ingrid Lillehagen, Olaug Bjertnæs (Skype))
- Russia (Maria Dronova, co-chair (Skype), Murmansk: Igor Konyukhov, Komi: Tatyana Tiupenko and representatives of the Ministry of Industry, Natural Resources, Energy and Transport of the Komi Republic (Skype))
- Sweden (Åke Mikaelsson, Elin Kronqvist, Erika Grankvist, Ylva Sarden)
- Finland (Johanna Laaksonen, Saija Vuola, Jonas Liimatta, Tatu Turunen)

and Observers:

- IBS (Maria Dianova, Roman Gokkoev,)
- NEFCO (Vitali Artyushchenko, Ruslan Butovsky (consultant))

2. Adoption of the Agenda

The agenda was adopted.

3. Follow-up of tasks distributed at SHE#60

Due to time constraints, the group did not go through the list of follow-ups during the meeting but postponed it to a later meeting.

4. Adoption of Minutes from the SHE 60 Meeting

Russia gave comments on the minutes, confirming their support of the decisions made during the SHE#60 meeting. Russia confirmed their support in NEFCO hiring a consultant to make an expert review of the S&A report from hotspot Ko1 (Vorkuta coal mines, methane) but the Ministry in Moscow will not be available to the consultants for information or support in this task.

The SHE group agreed to approve the minutes from SHE#60 intersessionally, after the SHE#61 meeting.

5. Hotspot Ko7 – Wood Waste in Komi – specific exclusion criteria

The Komi HEG (on Skype) confirmed a wish to exclude hotspot Ko7 in 2017. The SHE group and the Komi HEG group went through the draft specific exclusion criteria for the

hotspot. Wording about measures to reduce negative impact on air and to reduce climate impact was added. Eventually both SHE and Komi HEG agreed on the text during the meeting. The agreed exclusion criteria for hotspot Ko7 will be forwarded to WGE for their consideration, with copy to SHE. The exclusion criteria will also be translated into Russian.

The SHE group took note of the Action plan (Road Map) for developing bioenergy in the Republic of Komi (2016-2018). The Action plan will be submitted to WGE for their consideration. The Komi HEG was encouraged to start preparing documentation about fulfilling the specific exclusion criteria for hotspot Ko7, and submit this to SHE as soon as possible in order for SHE to consider a recommendation about exclusion.

6. Hotspot A4 – Arkhangelsk Pulp and paper Mill, Severodvinsk

The co-chair informed about the outcome of the meeting between WGE and SHE 17 June, about hotspot A4. The countries had so far no joint position on exclusion, and no conclusion was drawn on exclusion during the meeting 17 June.

Russia confirmed during the SHE#61 meeting that their position is to support full exclusion of hotspot A4. The Nordic countries in SHE could so far support partial exclusion of the water part, however, there are some outstanding questions regarding emissions to air. Russia underlined that the enterprise's efforts to answer questions from the Nordic experts should be acknowledged, and that the systems for measuring emissions to air in Russia differs from the systems in the Nordic countries. Finland noted that there is potential for emission reductions from hotspot A4 and would prefer to have more information about the installation of sulphur scrubber and about the plant's plans for decreasing SO₂ and NO_x emissions. Finland will send their list of questions to the SHE co-chairs who will forward the questions to Arkhangelsk (Ivan Popov) with copy to the SHE group.

The co-chair will update the draft SHE statement (4th draft, 12 June 2017) about exclusion of hotspot A4 according to the latest information and send it to SHE for approval before it is submitted to WGE.

7. Hotspot Ko1 (Methane emissions from coal mines, Vorkuta) – consultant review (Support activity)

NEFCO informed that with the received confirmation from Russia about their general support, NEFCO is now ready to engage a team of consultants to do the expert review of the 2017 S&A report about hotspot Ko1. NEFCO was not able to indicate when a result could be expected. The SHE group stressed a wish for results as soon as possible. The Komi HEG confirmed a wish from their side to exclude hotspot Ko1 in 2017. NEFCO will try to have some preliminary results from the consultants ready for the SHE/HEG meeting in Syktyvkar 11-12 October, where the hotspot owner of Ko1 will be present.

8. Hotspot Ko2-1 Vorkuta cement plant (dust)

The SHE co-chair informed that a 2nd draft of the technical expert committee (TEC) review is underway, based on the information in the S&A report and from the work of the Arctic Council (ACAP) by the Nordic experts. It is expected soon after the SHE#61 meeting. The Komi HEG confirmed their wish to exclude hotspot Ko2-1 in 2017, and repeated the concerns about the enterprise being closed since 1 January 2017 and problems in getting hold of the hotspot owner. A Rosprirodnadzor statement will be submitted to SHE about

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hotspot Ko2-1 soon, and will be presented in the SHE/HEG meeting in Syktyvkar 11-12 October.

9. Hotspot A3-1 (Heat and power plant #1 Arkhangelsk) draft exclusion criteria

Work on the Specific Exclusion Criteria for hotspot A3-1 is in process, coordinated by Ruslan Butovsky. Mr Butovsky informed that the draft exclusion criteria for hotspot A3-1 envisions exclusion of the hotspot in 15-20 years. The co-chair informed that the Nordic experts are currently preparing joint comments on the draft exclusion criteria for A3-1, and Mr Butovsky informed that he, in parallel, has discussed the draft exclusion criteria with Arkhangelsk HEG and is preparing an updated draft.

There is a wish from the Norwegian chairmanship to have the exclusion criteria for hotspot A3-1 approved before the 2017 Ministerial. Mr Butovsky was encouraged to consider calling for a telephone meeting with the Nordic experts as soon as their comments are ready to speed up the process of finalizing the exclusion criteria.

10. Outreach Material for the 2017 Ministerial

Maria Dianova informed about the drafting of information leaflets about hotspots, for the 2017 Ministerial. A journalist will assist in preparing text.

The members of the group appreciated the layout of the draft leaflet but noted that the purpose of the leaflet and the target audience needs to be clarified. It was also noted that the leaflets should be result oriented (if possible) rather than process oriented, and show the added value of the Barents cooperation. It was also noted that the intro should explain why these (later to be selected) hotspots are selected for outreach.

A lot of hotspots were mentioned but the group was not able to agree on which hotspots should be selected to be presented through the leaflets. It was proposed that Ms Dianova should start with preparing text about hotspot Ko7.

As a follow-up, Norway and IBS (Dianova) will prepare a proposal for outreach, for the SHE group to consider as soon as possible.

11. Support activities

A proposal for new support activities for hotspot exclusion was circulated to the SHE group before the meeting. The group thanked the task force for developing the new proposals (v.2.2., 15th September 2017). The SHE group supported the proposal in principle, noting that this is a living document of possible supporting activities and that further information will come back to the SHE group when it becomes more concrete. The SHE support of the list allows NEFCO and others to continue developing the support activities as appropriate. Russia asked for more information (concept paper) about the Barents seminar "AB waste" in Moscow 23 November, funded by Finland.

12. Murmansk hotspots

Mr Igor Konyukhov gave updated information about the Murmansk hotspots. Since the SHE/HEG meeting in Murmansk 3 March 2017, the Murmansk hotspots have been divided into 2 groups. 1) Hotspots aiming for fast track exclusion, and 2) hotspots that need further action (long track exclusion).

The hotspots aiming for fast track exclusion, preferably in 2017, are the following:

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- M2 – «Severonickel» combined smelter, Monchegorsk (air pollutants, particularly SO₂). The metallurgical process in Monchegorsk is stopped.
- M4 – Heat and power plant, Apatity (air emissions). The HPP is closed.
- M6 – Water quality in Kola river and Bolshoye Lake (effluents from poultry farm, pig farm). The Poultry farms no longer exist and the manure is recultivated and no longer impact the drinking water. Vodokanal no longer takes water from Lake Bolshoye for drinking purposes, only technical purposes.
- M10 – Handling of oil containing wastes. 4 companies are now licensed to handle oil containing waste in Murmansk, including both newly generated and old oil waste.

Mr Konyukhov informed that the Murmansk HEG is in process of preparing documentation about the hotspots aiming for fast track exclusion. He indicated that this information will be sent to SHE within 1 month. The SHE co-chair appreciated this positive development, however, was noted with concern the timeline that will give the SHE group rather short time to consider the information from Murmansk before the Ministerial. The SHE group looks forward to updated information about the Murmansk hotspots, and statements from Rosprirodnadzor about the hotspots as soon as possible.

13. Karelia hotspots

The representative from Karelia was not present at the meeting.

14. General Exclusion Plan + Hotspot Information system - orange

Due to time constraints this agenda item was postponed to a later SHE meeting.

15. The 2017 Ministerial declaration

The SHE group agreed to have a round of comments on the hotspot part of the Ministerial declaration after the meeting, with a short deadline for comments (4 October). The same deadline was agreed for comments on the WGE report to the Ministers. The SHE group agreed to not prepare an additional SHE report to the WGE for the Ministerial meeting, as the WGE chair has not asked for such a report. [During the WGE meeting the next day, the deadline for comments on these documents was postponed to 6 October]

16. Date and Topics for Next (SHE) Meeting

The SHE group looks forward to the SHE/HEG meeting in **Sykttyvkar** (Komi) 11-12 October 2017. A list of 8 SHE participants for the meeting has been identified and submitted to Tatyana Tiupenko. Ms Tiupenko has prepared a 2nd draft program for the meeting, which has been circulated for SHE comments.

THE SHE group agreed that there will probably be a need for a SHE telephone meeting before the ministerial in order to finalize and agree on recommendations/SHE statements to WGE about possible exclusions and other deliveries before the Ministerial. The co-chair will follow up on this and call for a telephone meeting when relevant.

17. Summary of Next Steps and Distribution of Tasks

Task	<i>Responsible</i>	<i>Deadline</i>
1. Circulate draft Minutes from SHE#61	Hanne	asap
2. Comments on draft Minutes from SHE#61	All	10 October
3. Ko1: A team of consultants is hired (by NEFCO) to do an expert review of the updated 2017 S&A report for Ko1. The consultant review should be finalized and submitted from NEFCO to SHE as soon as possible (SHE hopes to receive information about initial findings before the SHE/HEG meeting 11-12 October 2017).	NEFCO/Henrik Forsström	asap
4. Ko2-1: Send final TEC review for Ko2-1 to SHE	Nordic experts coordinated by Sweden	asap
5. Ko2-1: Send Rosprirodnadzor statement to SHE about exclusion of hotspot Ko2-1.	Komi HEG	asap
6. Ko7: Send the SHE/HEG agreed exclusion criteria to WGE for their consideration.	Hanne Aronsen	asap
7. Ko7: Send the Komi Action plan to WGE for their consideration.	Hanne Aronsen	asap
8. Ko7. Komi is encouraged send a report with documentation on fulfilling the hotspot exclusion criteria to SHE along with an application for exclusion of hotspot Ko7 (step 7) including the necessary documentation and a statement from Rosprirodnadzor	Komi/Tatiana Tiupenko	asap
9. A4: Send a list of questions to SHE co-chairs regarding information about implemented and planned measures to reduce air emissions from A4	Finland	asap
10. A4: forward the questions about measures to reduce air emissions from A4 to Arkhangelsk (Ivan Popov) with copy to the SHE group.	SHE co-chairs	asap
11. A4: Update the SHE statement about A4 (5 th draft), including the Russian position, and send to the SHE group for approval.	Hanne Aronsen	asap
12. A4: After SHE approval of SHE statement about A4, send the statement to WGE for their consideration.	Hanne Aronsen	asap
13. A3-1: Comment on draft specific exclusion criteria for hotspot A3-1	Nordic experts coordinated by Sweden	asap
14. A3-1: Send to SHE a final draft specific exclusion criteria for Hotspot A3-1, taking into account the comments from the Nordic experts and from the Arkhangelsk HEG	Ruslan Butovsky	asap
15. Outreach material for 2017 Ministerial: Send draft leaflet to SHE on hotspot Ko7	Maria Dianova	asap
16. Outreach material for 2017 Ministerial: Prepare a proposal for outreach material, including which hotspots to present, for the SHE group to consider as soon as possible.	Norway and IBS	asap
17. Support activity: Barents seminar "AB waste" in	Finland	asap

Moscow 23 November 2017. Send information (concept paper) to SHE.		
18. Support activity: "Waste Seminar Arkhangelsk nov 2017", preparations including draft program, dates, invitations etc. to be presented to SHE for their consideration	Norway	(asap) October
19. Murmansk hotspots: Send updated S&A reports/documentation about the Murmansk hotspots aiming for fast track exclusion, and statements from Rosprirodnadzor, to SHE.	Murmansk HEG/Igor Konyukhov	asap
20. Ministerial declaration: Comments on the hotspot part of the Ministerial declaration.	SHE (all)	6 October (by noon)
21. WGE report to Ministerial meeting: Comments on the hotspot part of the WGE report to the Ministers.	SHE (all)	6 October (by noon)
22: Submit SHE comments on Ministerial declaration and WGE report to Ministerial meeting to WGE	Hanne aronsen	6 October
23. Ko3-2: Prepare an updated S&A for the waste water part (Ko3-2) of the Mondi hotspot	Komi/ Tatiana Tiupenko	ongoing
24. Ko6: Prepare a TEC review of the S&A report for Ko6	Nordic experts	After 2017 Ministerial?
25. Ko6: Komi will continue developing draft exclusion criteria for Ko6 and send it to SHE	Komi/Tatiana Tiupenko	ongoing
26. Ko8: Consider to hire a consultant to do a TEC review of the S&A report for Ko8	NEFCO/Henrik Forsström	After 2017 Ministerial?
27. Task force on SHE cooperation with BAT Bureau – report back to SHE on possible support activities in cooperation with BAT Bureau	Åke Mikaelsson	ongoing
28. Find time and circulate draft agenda for the SHE#62 (telephone) meeting	Hanne Aronsen	16 October
29. Comments and input on draft agenda for the SHE#62 meeting	All	1 week

18. Any Other Business

No other Business

19. Closure of the Meeting

The meeting was closed at 17:30.