

March 17, 2014

**Meeting Notes Summary – Technical Subgroup of Workgroup for Global Air Permit Policy  
Development for Temporary Oil and Gas Drill Rigs**

Date of Meeting: Thursday, March 13, 2014

Time of Meeting: 15:00 – 16:30

Location of Meeting: Conference Room A, Bayview Building, 619 E. Ship Creek Ave., Ste. 249, Anchorage, AK 99501 and Teleconference

Technical Subgroup of Workgroup for Global Air Permit Policy Development for Temporary Oil and Gas Drill Rigs (Subgroup) Members present in person: Brad Thomas, ConocoPhillips (CPAI); Barbara Trost, Program Manager, Monitoring and Quality Assurance, Alaska Department of Environmental Conservation/ Division of Air Quality (ADEC/ AQ); Alejandra Castaño, BP Exploration Alaska (BPXA); Ben Wedin, Nordic–Calista Services (Nordic); John Neason, Nabors Alaska (Nabors); Mike Gravier, ADEC/ AQ;

Technical Subgroup of Workgroup for Global Air Permit Policy Development for Temporary Oil and Gas Drill Rigs (DRWG) Members present via telephone: Wally Evans, Hilcorp Energy (Hilcorp); Tom Damiana, AECOM; Deanna Huff, ADEC/ AQ; Rebecca Smith, ADEC/ AQ; Dan Fremgen, ADEC/ AQ

Meeting Facilitator: Jeanne Swartz, ADEC/AQ

Public members present by telephone: Ann Mason, SLR; Mike Peters, Doyon Drilling; Sally Ryan Cardno ENTRIX; Tom Chapple, HMM Consulting; Alan Peck, BLM

**1) Introductions**

The meeting commenced at 14:00. Jeanne Swartz welcomed all the participants and asked for introductions, first from the participants present in person and from the participants joining the meeting by telephone.

**2) Review of previous meeting discussions and action items**

In the Third Dill Rig Workgroup (DRWG) Technical subgroup meeting, held February 13, 2014, ADEC presented a list of questions they would consider for analysis, Dea Huff and Tom Damiana agreed to work together on data analysis and the mission statement was supposed to be finalized by the members of the main DRWG, but it did not come up during their meeting on February 20. The mission statement will be presented at the next meeting of the main DRWG.

**3) Presentation on Analysis of Air Monitoring Data**

Dea Huff made a presentation to the DRWG Technical subgroup members that provided information about three monitoring stations on the North Slope (NS) that were determined to have had the greatest potential for increased levels of NO<sub>2</sub> from nearby effects of drill rig operations. The full presentation will be provided for posting on the DRWG website,

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<http://www.dec.alaska.gov/air/ap/OilGasDrillWorkgroup.html>, at a later date. Dea presented information on the following monitoring site locations:

- CD-1
- CD-3
- A-Pad
- Pt. Thomson

The information in Dea's presentation included relative location of drilling compared to monitoring sites for monitoring on the drilling pads, wind roses, pollution roses, fuel usage and other pertinent information in a graphical format.

The DRWG Technical subgroup engaged in discussion about the presentation. Some topics of discussion were as follows:

- Drilling activity at Pt. Thomson – unknown at time of presentation
- Effects of downwash
- Effects of later-tiered engines on NO<sub>2</sub> emissions
- Effects of highline power
- Sites of drilling activities relative to monitors
- Temperature correlation to NO<sub>2</sub> emissions

#### **4) Set Focus for Next Meeting and Steps/ Actions Needed Prior to Meeting**

The DRWG Technical subgroup concluded the meeting by proposing a date for the next Technical subgroup meeting and discussing work to be accomplished before the next meeting. ADEC participants said there was still work to be done on the data

The meeting concluded at 16:23.

#### **Action Items Generated From March 13 DRWG Technical subgroup Meeting:**

- **ADEC staff will continue to work on data analysis review data**
- **Mission statement for DRWG Technical subgroup will be forwarded for consideration to main DRWG members**
- **A schedule with dates for upcoming meetings will be proposed**
- **The meeting summary from the March 13<sup>th</sup> DRWG Technical subgroup meeting will be circulated and placed on the DRWG website within a few days.**

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- **ADEC will provide a meeting invitation, a meeting place in Anchorage, and agenda for the fifth Technical subgroup meeting, proposed to be held Thursday, April 3rd, 2014 from 2:30 PM – 4:00 PM.**

Respectfully submitted,

Jeanne Swartz ADEC/AQ