

Third ESSB 6001 Rule Stakeholder Meeting Notes

SeaTac Airport, October 2, 2007, 9:00 am to 4:00 pm

Following is the agenda that guided the group's discussion (We got about a 20 minute late start due to terrible weather and traffic):

Overall Goal of the Committee's Work:

To provide input to the Department of Ecology (DOE) about issues, concerns and recommendations related to ESSB 6001. The input will inform the writing of rules that DOE will then propose for adoption.

Overall Outcome:

A report of stakeholder recommendations and noted concerns about how the rules will deal with:

- ◆ The implementation and enforcement of the Emission Performance Standard (EPS)
- ◆ Criteria for evaluating carbon sequestration plans
- ◆ An output-based methodology for calculating emissions of greenhouse gases (GHGs) for cogeneration facility.

Today's Meeting Objectives:

- Learn about and discuss concerns & recommendations regarding what is written in ESSB 6001 about:
 - What is meant by "permanent" as it relates to sequestration?
 - What other types of sequestration are there, besides geologic?
 - What should be in a sequestration plan?
 - What does "working in unison" mean?
 - Regarding cogeneration:
 - What is the definition of "waste gas?"
 - How does the definition of cogeneration align with the public utilities regulatory act of 1978?
 - How do we define output based methodology?
 - How do we calculate cogeneration unit emissions?
- Identify next meeting topic and prep work.

<i>Time</i>	<i>Topic</i>
9:00	Welcome, Overall Purpose Review & Agenda
9:10	Brief (Re-) Introductions
9:30	Definition of "Permanent" Sequestration
10:30	Types of Sequestration; Elements of a Sequestration Plan
12:00	Short break to get lunch, then resume discussion
12:15	"Working in Unison"
1:00	Cogeneration – Presentation by Don Brookhyser
1:30	Q & A

1:45	Break
2:00	Cogeneration Issues
3:30	Summary – Where are we on this topic? What’s next?
3:40	Next Meeting Agenda Plan & Prep
4:00	Adjourn

Brief Re-Introductions – Who is Here?

Stakeholder Members Present:

Dave Arbaugh, Tom Hinckley (for Marcia Baker), Don Brookhyser, Dick Byers, Sven Brandt-Erichsen, Jessica Coven, Carrie Dolwick, Keith Faretra, Tom Krueger, George Peridas (for Mo McBroom), Pete McGrail, Dave Norman, Chris Smith Towne, William Bridges, Mike Tribble, Greg Nothstein (for Tony Usibelli), and Dave Warren

Others in Attendance:

Tom Wood, Casie Davidson

Staff Members Present:

Dept. of Ecology: Tom Todd, Nancy Pritchett, John Storman, Alan Newman, Sarah Rees and Anjali Adelsman.

EFSEC: Allen Fiksdal

Facilitator:

Debbie Rough-Mack

Definition of “Permanent” Sequestration

Nancy Pritchett, Env. Planner with DOE’s Air Quality Program, prepared the decision matrix to guide the discussion and seek input from the committee. Notes taken from that discussion appear in a separate matrix, attached. The matrix will also be available as a .pdf on the DOE website at http://www.ecy.wa.gov/laws-rules/activity/wac173407_218.html
If you have additional comments, please email them to npri461@ecy.wa.gov

Types of Sequestration; Elements of a Sequestration Plan

Tom Todd, Unit Manager in DOE’s Air Quality Program, prepared the decision matrix to guide the discussion and seek input from the committee. Notes taken from that discussion appear in a separate matrix, attached. The matrix will also be available as a .pdf on the DOE website at http://www.ecy.wa.gov/laws-rules/activity/wac173407_218.html
If you have additional comments, please email them to ttod461@ecy.wa.gov

Cogeneration

Don Brookhyser, Cogeneration Coalition representative on the Stakeholder Committee, gave a presentation on cogeneration as a foundation for the group’s discussion. Alan Newman,

Engineer with DOE’s Air Quality Program, and Don Brookhyser, prepared the decision matrix to guide the discussion and seek input from the committee. Notes taken from that discussion appear in a separate matrix, attached. The matrix will also be available as a .pdf on the DOE website at http://www.ecy.wa.gov/laws-rules/activity/wac173407_218.html
 If you have additional comments, please email them to anew461@ecy.wa.gov

Actions, Next Steps

John Storman, DOE, has drafted rules on geologic sequestration (informed by last meeting’s discussion on 9/18/07). The draft was emailed to stakeholder members on Sept. 28, 2007 and is also available on the DOE website at http://www.ecy.wa.gov/laws-rules/activity/wac173407_218.html .

John welcomes feedback to jstor461@ecy.wa.gov by October 23, 2007.

Next meeting is October 23, 2007, 9:00 – 4:00, at SeaTac airport, Moscow Room. From the Table of Proposed Discussion Topics previously distributed, DOE recommended that the following topics be next up:

(Number 2 on the original list)

Discussion Items/Questions	Related ESSB 6001 Section(s)
2. What is the boundary or scope of processes associated with production of electrical and/or thermal energy to include when calculating emissions?	Sec. 5(5): “...total emissions associated with producing electricity”. Sec. 5(6): “...includes all greenhouse gases emitted by the facility in the production of both electrical and thermal energy”.

(Number 3 on the original list)

Discussion Items/Questions	Related ESSB 6001 Section(s)
3. For purposes of compliance with the EPS, clarify if scope of emission sources will include all GHGs, as defined under ESSB 6001, or only emissions of CO ₂ .	Sec. 2(14) and Sec. 5(1): ESSB 6001 defines greenhouse gases to include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. The EPS refers to “greenhouse gases”.

(Number 10 on the original list)

Discussion Items/Questions	Related ESSB 6001 Section(s)
<p>10. What are “unspecified sources”?</p> <p>How do we address long-term purchases of electricity from “unspecified sources” in a manner consistent with this chapter?</p> <p>How do we apply the EPS to power generated outside of Washington and sold under long-term contract for consumption within Washington?</p>	<p>Sec. 5(9):</p> <p>“In developing and implementing the greenhouse gases emissions performance standard, the department shall...to the extent practicable, address long-term purchases of electricity from unspecified sources in a manner consistent with this chapter.”</p>