

Brightwater Conveyance Construction Management Office	Thursday, December 6, 2012	4:00-6:00 p.m.
<i>Board Member</i>	<i>Agency</i>	<i>Present</i>
Barry Bettinger	Community Representative	
John Buckley, P.E., J.D.	Independent Expert	X
Pam Elardo, P.E.	WTD Division Director, King County	X
David Evans	Snohomish County, Public Works	X
Scott Hageman	Councilmember, City of Woodinville	
Gary Hajek	MWPAAC Representative	X
Dan Kalstad	Community Representative	
Agata McIntyre, P.E.	Puget Sound Clean Air Agency	X
Bob Van Horne	Fire Chief, Bothell Fire and E.M.S.	X

Non-Board Member Attendees:

Steve Van Slyke, PSCAA; Stan Hummel, WTD; Robert Waddle, WTD; Yasmin Mudah, WTD

A. Call to Order

- a. Meeting was called to order by Board Chairman, John Buckley at 4:00 p.m.

B. Meeting Agenda - Key Points of Discussion

a. **Agenda item #2 - Board Business:**

Meeting Notes - Meeting notes from the September 20th meeting were approved with one requested revision.

A clarification was made that the 0.8ppb H₂S at the property boundary is the basis for the modeled parameter of the 20ppb H₂S action threshold at the odor control stacks.

Commemoration of the Board for One Year of Service - Board members were presented with a framed photo of the Brightwater Treatment Plant in recognition of their first year of service to the Brightwater Air Quality Advisory Board.

b. **Agenda item #3 - Odor Control System Operational Status Report:**

Ron Kohler provided an update of the odor control system operational status. Odor control systems are operating within standards. Tank entries for operations and maintenance were conducted. There were no fugitive emissions. The movement of air through the odor control systems resulted in negative air pressure into the tanks to prevent odorous air from escaping.

The Brightwater effluent line was commissioned in late October. The treatment plant is now discharging to Puget Sound. Flows are being ramped up slowly as the process biology is being built up. The average flows receiving treatment are 17 mgd with a maximum of 24 mgd. Wastewater treatment is 100 percent in compliance with the NPDES discharge permit.



Q. What percent capacity is the treatment plant running at right now?

A. Brightwater pumped a maximum of 24mgd with an average of 17mgd. It is currently running just below 50 percent of its 36 mgd capacity.

Q. Have there been issues with heavy rain?

A. There have been some heavy rainfalls but no issues or problems reported at the treatment plant. The collection system for Brightwater is not a combined system, since the service area serves more recent development and storm drains are not piped to the system. For the time being, flows above 17 mgd are transferred to South Plant.

Q. Were there spikes in odor during the higher flow events?

A. There were no observable odors or spikes in hydrogen sulfide during the higher flow events. Typically, hydrogen sulfide emissions increase during the drier and warmer months.

c. **Agenda item #4 – Report of Complaints and Investigations, Odor Complaint Log:**

Robert Waddle reported that there were no odor complaints lodged since the last Board meeting.

d. **Agenda item #5 – Report of Property Boundary Odor Monitoring, Odor Monitoring Log, Odor Monitoring and Response Plan Addendum:**

Robert Waddle provided an update and distributed copies of the Odor Monitoring Log. There were no odors observed or hydrogen sulfide readings attributable to the treatment plant during property boundary monitoring.

The property boundary monitoring log was revised. At the Board's request, narrative was added to clarify the purpose and background of the Property Boundary Monitoring Log.

Q. What is the lower detection limit of the Sycamore?

A. The low range for the Sycamore unit is 0.01 ppm or 10 ppb.

Odor Monitoring and Response Plan Addendum:

An Addendum to the Odor Monitoring and Response Plan was presented. There was a request to clarify that the 0.8ppb H₂S property boundary concentration was selected because it is at the low range threshold of detection by sensitive noses, and using a "worst case" combination of temperature inversions with no wind, the minimum expected dilution factor would be 1:25. This resulted in a stack emission threshold of 20ppb H₂S. King County will revise and clarify this addendum and present it at the next Board meeting.

e. **Agenda item #6 – Update on Sycamore Instrumentation:**

Stan Hummel updated the Board on the status of the Sycamore monitoring units. Two odor monitoring devices are being procured to conduct an Odor Monitoring Pilot Test – the Jerome 651 and Honeywell Chemcassette. Per the Development Agreement with Snohomish County, Brightwater is required to use the best continuous odor monitoring equipment available.

A status report on the pilot test progress will be provided at the next Board meeting.

Q. Is the Jerome continuous analyzer the same technology as the Jerome handheld device?

A. It is the same technology, but the sample conditioning and signal processing are slightly different.

f. Agenda item #7 – Tour of IPS:

Ron Kohler led a tour of the Influent Pump Station.

C. Board Actions and Requests

- a. **Meeting Notes** – Meeting notes from the September 20th meeting were approved.
- b. **Sycamore Update** - The Board requested further updates on the pilot test.
- c. **Odor Monitoring and Response Plan Addendum** – The Board requested revisions to the Addendum.

D. Standing Items

- a. **Next Meeting** – Thursday, April 4th, 4:00-6:00 p.m.
- b. **Proposed Agenda:**
 - a. Odor Control System Operational Status
 - b. Odor Complaint and Investigation Update
 - c. Property Boundary Odor Monitoring Update
 - d. Odor Response and Monitoring Plan Addendum and Fact Sheet
 - e. Update on Odor Monitoring Pilot Test
 - f. Site walk to Headworks and Primary Odor Control Building