

Brightwater Environmental Education and Community Center	Tuesday, January 3, 2012	4:00 – 6:00 p.m.
<i>Board Member</i>	<i>Agency</i>	<i>Present</i>
Barry Bettinger	Community Representative	X
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	Mayor, City of Woodinville	
Gary Hajek	MWPAAC Representative	X
Dan Kjalstad	Community Representative	X
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:

Stan Hummel, WTD; Ron Kohler, 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 November 7th meeting were approved.

Board Membership – Two new Board members, Fire Chief Bob Van Horne of the Bothell Fire Department and Dan Kjalstad, a community member, introduced themselves and were welcomed to the Board.

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

Ron Kohler updated the Board on the operational status of the treatment plant and the performance of the odor control systems. Odor control systems are operating within the levels established in the odor monitoring and response plan.

Impellers have been re-engineered and are being installed and tested in January and February 2012. Manufacturer representatives continue to inspect fan impellers for signs of cracking or damage.

- c. **Agenda item #4 – Performance Testing Status Report:**

Stan Hummel provided an update of the performance testing status.

Performance testing of the bioscrubbers will be deferred due to low flow operation which does not provide sufficient loading to the bioscrubbers to sustain the biological system.

- d. **Agenda item #5 – Report of Complaints and Investigations and Odor Complaint Log:** Ron Kohler provided an update of the complaints and investigations for the Treatment Plant.

Mr. Kohler updated the Board about a site inspection conducted on December 16, 2011 as a result of a complaint that PSCAA received from a resident located east of the Treatment Plant. PSCAA received the complaint on December 15th and contacted the resident on December 16th.

There were no odor reports received by Brightwater on December 15th. Computer records were reviewed for evidence of any events that might have resulted in odor emissions on December 15th. The computer records showed that the pH and ORP were within normal range at the time the spike was recorded. Meteorological records for the site on December 15th show that wind direction was N-NE approximately 1mph at the time of the complaint. The residence of the complainant is east of the Treatment Plant site.

The PSCAA representative, Mr. Kohler, and another employee conducted a site investigation. Using a Jerome H2S analyzer at the primary headwork's odor control train, incoming air showed 0.0 ppm H2S, ambient air was 0.0 ppm H2S, and air sampled directly from the duct was 1.08 ppb H2S. This is below the manufacturer's lower detection limit of the Jerome meter and the manufacturer does not warrant the accuracy of readings below 3 ppb. Sycamore analyzers all read zero.

Based on the timing of the H2S spike recorded the afternoon of December 15th in relation to the timing, wind direction and wind speed at the time of the complaint, PSCAA concluded that it is unlikely that Brightwater was the source of the odor reported by the resident.

There was discussion with the Board regarding external agency complaints that are not immediately forwarded to King County, as there are occasions when it can be several hours or days before the County is notified of the odor complaint. If odor complaints are received from an outside agency while the odor source is occurring, King County will follow documented odor response and investigative procedures as outlined in the Odor Response and Monitoring Plan. If the odor source is no longer occurring at the time that the complaint is received from an external agency, the County will document the complaint, including odor control system monitoring data and meteorological conditions for the time which the complaint occurred.

Action: The Board recommended that King County record external agency odor investigations that result in notification to or inspection of the Brightwater Treatment Plant. King County has implemented this and is now logging external agency odor investigations or complaints. External agency reports received are also being maintained electronically.

The Board also recommended that King County document how it will respond to external agency complaints and inspections. King County is updating odor response procedures to document how it will address and record external agency odor investigations.

- e. **Agenda item #6 – Property Boundary Odor Monitoring Report and Log:**
Yasmin Mudah reported the results of recent odor monitoring and presented the updated odor monitoring log. Odor monitoring using the Jerome H2S analyzer generally indicates 1-3 ppb H2S along the eastern and southern property boundary of the Treatment Plant site. Odor monitoring at locations along the Route 9 western boundary of the site have resulted in 2-5ppb. King County believes that some of the readings were a result of diesel exhaust from highway traffic and is not attributable to odor stack emissions.

C. Board Actions

- a. **Meeting Notes** – Meeting notes from the November 7th meeting were approved.
- b. **External Agency Reporting Log** – The Board recommended that King County record and document external agency odor complaints or investigations that result in notification to or inspection of the Brightwater Treatment Plant.
- c. **External Agency Investigation Response** – The Board recommended that King County document how it will respond to external agency complaints and inspections.

D. Standing Items

- a. **Next Meeting** – March 14th, 4:00-6:00pm
- b. **Proposed Meeting Items:**
 - a. Odor Control System Operational Status
 - b. Performance Testing Status Report
 - c. Odor Complaint and Investigation Update
 - d. Odor Monitoring Update