



# Highline Water District Workshop Meeting Minutes March 22, 2011

<b>ATTENDEES</b>		
<b>COMMISSIONERS</b>	<b>HWD STAFF</b>	<b>HWD ATTORNEY(S)</b>
Gerald R. Guite	Matt Everett, General Manager	John Milne
Daniel Johnson	Jeremy DelMar, Eng/Ops Manager	
Vince Koester*	Debra Prior, Administrative Manager	
George Landon	Mary Fossos, Project Coordinator, CIPs	<b>VISITORS</b>
Kathleen Quong-Vermeire*		
*Commissioner Koester left the meeting at 9:55 am and Commissioner Quong-Vermeire left the meeting at 10:00 am.		
<b>Strikeouts indicate absence</b>		

**1. CALL TO ORDER**

President Guite called the meeting to order at 9:00 a.m.

**2. APPROVE AGENDA**

Commissioner's Landon's motion to approve the Agenda as presented seconded by Commissioner Koester. The motion carried unanimously.

**3. SEATTLE PUBLIC UTILITIES (SPU) – DISCUSSION ON ALGAE ISSUES**

Ray Hoffman, SPU Director and Dave Hilmoe, SPU Drinking Water Director, gave a Powerpoint presentation entitled "Cedar / Lake Youngs Freshwater Algal Blooms: Impacts on Distribution Systems" in response to the Highline Board of Commissioners' letter dated September 28, 2010 regarding water quality problems the District experienced in 2010.

Mr. Hilmoe said that SPU first became aware of significant concentrations of cyclotella algae in Lake Youngs in 2008. After skipping a year, it was a problem again in 2010. Mr. Hilmoe stated that the cyclotella algae is not a public health or regulatory issue. However, he agreed that cyclotella algae clogs meter screens and other components within the distribution system.

SPU has consulted with experts in the field to evaluate alternatives for reducing or removing cyclotella algae. One partial solution was to move the fluoridation plant from Landsburg to Lake Youngs to reduce phosphorous, a by-product of fluoridation and an algae nutrient. SPU determined this option would cost over \$3 Million and provide only minimal reduction. Various types of screening or filtration would remove the algae, but would cost tens or hundreds of millions of dollars for capital expenditures. SPU has concluded that the most cost-effective solution is to by-pass Lake Youngs > 90% of the time in the Spring and early Summer when cyclotella is present in the Lake. SPU cannot by-pass Cedar River water when turbidity nears 5.0 NTU due to high water volumes during heavy rain and fast snow melt.

Commissioners Guite and Koester stated that the District should be compensated for the labor and materials expended by District crews to clean clogged meter screens due to the cyclotella algae buildup. Mr. Hoffman stated that SPU did not violate the Partial Requirements Contract with the District. He said that he would continue to work with the District's General Manager to resolve the algae issue and would take the District's reimbursement request under advisement.

President Guite thanked Mr. Hoffman and Mr. Hilmoe for their presentation.



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#### 4. RESOLUTIONS/MOTIONS

Resolution 11-3-22A approving Change Order No. 1 (Titan Earthwork, LLC) for Project 10-2 360 Zone PRVs and Orillia Rd Water Main Extension. Commissioner Johnson's motion to approve seconded by Commissioner Landon. After discussion, the motion carried unanimously.

#### 5. OTHER

No other items were discussed.

There being no further business of the District, President Guite concluded the meeting at 10:11 a.m.

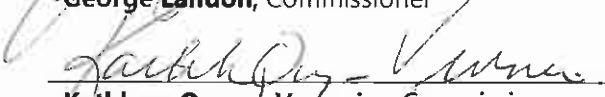
#### BOARD OF COMMISSIONERS

  
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**Gerald R. Guite, President**

  
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**Vince Koester, Secretary**

  
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**Daniel Johnson, Commissioner**

  
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**George Landon, Commissioner**

  
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**Kathleen Quong-Vermeire, Commissioner**