Spokane River TMDL Collaboration

Flows and Loadings Workgroup

Workshop for Lake Aeration Evaluation

Workshop for Lake Aeration Evaluation
June 13, 2005
9:00 a.m -4:00 p.m.
City of Spokane Fire Training Center
N. 1618 Rebecca Street (See directions below)

One approach to remediation of the Spokane River and Lake Spokane would phase the TMDL implementation with reduction of point sources occurring first, along with a parallel evaluation of and remediation of non-point sources, followed by an evaluation of the effectiveness of the reduction measures on nutrients and evaluation/implementation of lake mitigation including lake aeration.

The Flows and Loadings workgroup assignments include evaluation of lake aeration. The workgroup plans to hold a workshop to explore the dissolved oxygen and algae issues in Lake Spokane and to evaluate the options for aeration and feasibility of implementing an aeration project to mitigate oxygen and/or algae issues.

The tentative workshop participants include:

Technical Experts

Dr. Marc Beutel-WSU
Dave Clark-HDR Engineering
Dr. Larry Esvelt-Esvelt Engineering
Dr. Barry Moore-WSU
Dr. Eugene Welch-UW Emeritus
Laurens Van der Tak-CH2M HILL

Workgroup

Bruce Rawls-Spokane County
Richard Koch-Department of Ecology
Lloyd Brewer-City of Spokane
Galen Buterbaugh, Lake Spokane Association
Sid Fredrickson-City of Coeur D'Alene
Len Bramble, Dept. of Ecology
Ken Merrill, Dept. of Ecology
Rachel Paschal Osborn, Sierra Club
Jim Kimball, JUB Engineering

All other interested parties are invited to attend and observe the workshop. There will be space available for up to 50 persons in the room.

All attendees are encouraged to bring technical papers or technical memorandums that they have prepared previously regarding aeration projects or feasibility evaluations for the workgroup.

Draft Agenda

1. Introductions and statement of workshop objectives
2. Characterize the water quality problems
3. Discuss lake geomorphology, stratification, and characteristics
   - Describe algae problem areas and recurrences
   - Describe dissolved oxygen problems
4. Define goals and objectives for lake aeration
5. Identify lake aeration methodologies/technologies
6. Address technical applicability, pros/cons, effectiveness, constraints, and relative cost effectiveness for aeration methodologies/technologies
7. Conclusions and follow-up questions

As we get the attendees engaged into the workshop, the agenda may be revised.

If you have any questions, please contact Bruce Rawls; (509) 477-7289 or via e-mail: brawls@spokanecounty.org

DIRECTIONS TO THE SPOKANE FIRE TRAINING BUILDING:

From Interstate 90, Take Exit 283 B, which is approximately 3 miles east of downtown, and then travel north on Thor/Freya Street to Mission Avenue.

Turn east on Mission Avenue, and travel 4 blocks to Rebecca Street.

Turn north on Rebecca Street, and travel approximately 2 blocks passing Fire Station 8 and the Fire maintenance Facility.

In the cul-de-sac, turn east on the driveway and travel approximately 2 blocks to the Fire Training Building Parking Lot.