Proposed Agenda
Technical Track Work Group Meeting
March 12, 2012

Review of Survey Responses
- Final Analysis of Responses

Workshop Organization
- Layout of Sessions
- Sequence of Sessions

Draft Session Sheets
- Stormwater
- Aerial Deposition
- Internal Source Investigations
- Ecology Investigations and Assessment
- Development for Other Sessions

Presenter Contacts
- Contact List
- Contact Assignments

Report Out to Task Force
- Workshop Preparation
    - Final Purpose Statement
    - Pareto Analysis Results
    - Workshop Organization

Survey Results Pareto Analysis

Number of Respondents 15

Responses

Sources

6 Lake Coeur d'Alene Contribution
9 Point Sources
14 Urban Stormwater Runoff
3 Non Urban Stormwater Runoff
5 Urban Seasonal Snow Melt
2 Non Urban Seasonal Snow Melt
2 Aquifer Recharge
11 Aerial Deposition
2 Tributaries
1 Sediment Re-suspension
1 Water Craft
0 Biological Release

Sinks

5 Aquifer Discharge
2 Sediment Deposition
0 Volatilization / Evapotranspiration
6 Biological Uptake
1 Chemical Transformation

Miscellaneous Additions

1 Sampling and Analytical Limitations
1 Fate and Transport (Sediments vs. Dissolved)
3 Non-Point Sources
1 Fish and Fish Consumption Data
1 PCBs - Why, Where, When and How

Workshop Sessions Layout

	Day 1	Day 2
Time Block	**Session Content**	**Session Content**
8:00 to 8:20	**Introduction** Cover the purpose of the task force and the workshop. Also cover overview of meeting sessions.	**Introduction** Brief re-cap of the first day's information
8:20 - 10:20	**Spokane Watershed Work** Presentations by Ecology on the 2003 - 2007 Assessment Report, 2008 work, and 2009 - 2011 work	**Aerial Deposition** Presentations on aerial deposition covering how it is measured, how significant it can be in a watershed (rainfall and snow pack), and how to convert measurements to watershed impacts.
10:20 - 10:40	***Break***	***Break***
10:40 - 12:20	**Spokane Watershed Work** Source identification and removal activity (City of Spokane and Kaiser) and plans for future source identification work (Spokane County)	**Stormwater** Presentations on stormwater covering what are the sources of PCB in stormwater, what kind of levels can be expected, how are others addressing this issue
12:20 - 1:00	***Lunch***	***Lunch***
1:00 - 3:00	**Work in Other Watersheds** TMDL planning or other source identification and quantification work (Portland Harbor, Delaware River Basin, Chesapeake Bay)	**Lagniappe** Aquifer interchange, sampling and analytical, treatment and/or BMPs, biological information
3:00 - 3:20	***Break***	***Break***
3:20 - 5:00	**Brainstorming / Discussions** Time for questions and discussions with presenters and among task force members covering the day's presentations and issues or concerns identified	**Brainstorming / Discussions** Time for questions and discussions with presenters and among task force members covering the day's presentations and issues or concerns identified

Workshop Planning
Aerial Deposition

Session Content:

Contribution of PCB to a watershed from direct and indirect aerial deposition (wet deposition, dry deposition, snow pack content).

Session Outcomes:

Can PCB from aerial deposition, both wet and dry, be taken up in snow pack and become a source during snow melt runoff? Can this mechanism be significant in our watershed?

What would need to be done in terms of measurements (how measured) in our watershed to quantify this especially considering Lake Coeur d'Alene feeds the river?

How significant a source is this? What are the main pathways? Is there any trend analysis from anywhere?

How are others collecting and using aerial deposition data to identify sources and determine "urban background" levels?

How are PCBs transported throughout the world through aerial resuspension and deposition?

How do we quantify the concentration of PCBs entering a jurisdiction or watershed through aerial deposition? What other studies have been done around the country that we can use as a model? What parameters are applicable to the Spokane region?

How do you translate concentrations of PCB in air to what runs off in stormwater? Is there a mass loading analysis?

What are potential sources both locally and globally? What are the mechanisms associated with aerial deposition? How much does aerial deposition contribute to soil and water body contamination?

What are the sources of PCBs in air and what data are available and what should a QAPP for air deposition assessment include?

One study indicated natural gas had PCBs and a test by the city indicated motor oil had PCBs. If gas and diesel have PCBs what level might be in the air and later deposited?

How would you characterize aerial deposition in a watershed similar to the Spokane River watershed, and would you determine the impacts of aerial deposition on water quality?

Session Presenters:

Lisa Totten, Rutgers University
(Watershed processing of PCB inputs – Delaware River)

Bruce Hope, CH2M HILL
(Aerial deposition – Portland Harbor)

Session Duration:

Workshop Planning
Stormwater Runoff

Session Content:

Sources of contamination and their magnitude related to PCB in stormwater runoff.

Session Outcomes:

What do we know from the sampling that has occurred in the urban waters initiative? What is the methodology/data quality for this information?

Are there examples of successfully identifying sources or otherwise reducing stormwater loads?

How are other areas collecting and assessing stormwater and snowmelt data for source tracking and effectiveness monitoring? What is the stormwater and snowmelt loading to the river and what has been the trend?

I suspect a high amount of PCBs come from stormwater, yet no one wants to admit this. How do LIDs and other stormwater controls help reduce PCBs?

What data has been collected locally and nationally to quantify sources of PCB contamination from stormwater? How are PCBs getting into stormwater?

How are other entities (local and national) tracing sources of PCB in stormwater, and how are they estimating total load from each jurisdiction?

What are the contaminant sources and contaminant levels and what remedial options and end of pipe treatment alternatives are there? What are business vs. residential contributions to contaminant levels?

What are contaminant sources and control methods?

What are the sources of PCB in stormwater? What data is available and what should a QAPP for stormwater assessment include?

There are at least two dozen catch basins; would it be useful to investigate a sample of residential and industrial dominated basins? Does it matter between summer and winter?

Can you provide examples or recommendations for how the companies / organizations responsible for creating toxins can be held accountable for cleaning up the messes made?

I would like to hear from a stormwater expert regarding source identification in a stormwater system, source control BMPs, and efficacy of stormwater BMPs to remove PCBs.

Session Presenters:

Dawn Sanders, City of Portland BES
(Stormwater tracking in urban areas)

Thomas J. Fikslin, Delaware River Basin Commission
(TMDL work on Delaware River)

Session Duration:

Workshop Planning
Spokane Watershed Work
Internal Source Investigations

Session Content:

Work has been done, is in progress, or is being planned within the watershed to identify and/or characterize internal sources of PCB.

Session Outcomes:

What techniques are being used to identify sources within systems or areas to identify potential source contribution?

What actions have been taken to address identified sources?

What has been learned either in the field or during plan preparations that may be help to others who will need to do source identification work?

Session Presenters:

Lynn Schmidt, City of Spokane
Bud Leber - Kaiser Aluminum
Bruce Rawls – Spokane County

Session Duration:

Workshop Planning
Spokane Watershed Work
Ecology Investigations and Assessments

Session Content:

Detailed overview of Ecology collected data on PCB in the Spokane River water column including sampling rationale and data analysis and data reduction.

Session Outcomes:

What were the actual findings from the 2003 – 2007 Assessment Report?

How were sampling techniques chosen, what was the rationale for the selected sampling techniques, and were any comparisons made between sampling techniques (i.e. - SPMDs vs. direct sampling)?

How were sampling locations chosen in the river and loading estimates made for the selected river locations?

What was the rationale behind the development of the various sampling efforts that have been conducted in the Spokane River watershed? In retrospect, how adequate is the data given the rationale for the sampling effort and what data gaps have been discovered?

What was the rationale behind the development of the analysis performed on the data collected as a part of the 2003 – 2007 Assessment Report?

What would be done differently in hindsight with respect to these sampling and data analysis efforts? What more needs to be done to refine the assessments made to date?

Session Presenters:

Session Duration: