

**PMF Work Group call summary
November 8, 2018**

Attendees:

Mike Hermanson, Amy Sumner – Spokane County
Dave Dilks – LimnoTech
Brandee Era-Miller – Ecology
Joel Breems – Avista
Lara Floyd – White Bluffs Consulting
Lisa Rodenburg – Rutgers University/consultant

Conference call agenda:

1. Review the Phase I report including a summary of approach (brief), findings, and recommendations.
2. Determine if the Phase I report is ready for distribution to the full SRRTTF with a recommendation to accept at the February meeting.
3. Discuss Phase II goals, approach, and scope of work.

Call summary:

Lisa provided an overview of the work completed for Phase I of the PMF project including the approach, conclusions, and recommendations. The group identified a few places that would benefit from additional clarification. Group members will provide suggestions to Lisa. After she has revised the report it will be distributed to the full SRRTTF for review.

Development of the scope of work for Phase II was discussed. There are data sets representing different media and/or sources available for the Spokane River system. The following were discussed:

1. Spokane River ambient water
2. Groundwater
3. Storm water
4. NPDES discharges
5. Fish tissue
6. Sediment
7. Biofilm
8. Macroinvertebrate

A unique PMF analysis, which generates specific factors, is completed for a particular data set, which was also called a “compartment.” Once the factors are identified for each compartment the % contribution of each factor to a particular sample, group of samples, location, time period, etc. can be evaluated. The factors from each compartment can also be linked, i.e. Factor 1 from the ambient water samples looks like Aroclor 1254, and Factor 3 from groundwater also looks like Aroclor 1254. A PMF analysis for compartments with few samples, such as macroinvertebrates, cannot be conducted but with

few samples regression techniques can be used to compare those samples to factors from other compartments.

The scope of work will be determined by the number of compartments the SRRTTF wants to evaluate and budget. Lisa is putting together a scope of work indicating costs for evaluating each compartment, so that the SRRTTF can determine which ones to analyze.

There was discussion of gathering each of the different data sets. Work group members will work with Lisa to provide the correct data sets.

Project schedule was discussed. Mike indicated that if the work is funded by the Ecology grant funds there is a June 30 deadline. Lisa indicated that a later deadline would be better for her. Mike is going to check on the funding identified for this project.