

## 2015 Synoptic Sampling Status

### Scope

- Sampling period is five consecutive days
- River samples on days 1, 2, 3, 4, and 5
  - Barker Road
  - Mirabeau Park
  - Trent Bridge
  - Greene Street
  - Spokane Gage
- Point Source samples on days 1, 3, and 5
  - Kaiser
  - Inland Empire Paper
  - Spokane County

### Contracts

- Gravity for field sampling
  - Contract signed
  - Cost not to exceed \$36,000
- AXYS for PCB analyses
  - Contract out for signature
  - Cost not to exceed \$55,000
- SVL for conventional analyses
  - Contract signed
  - Cost not to exceed \$4,500
- LimnoTech for field oversight and data analysis
  - Contract signed
  - Cost not to exceed \$50,000

### Key Items

- QAPP/SAP revisions
  - Additional sampling location
  - Storm go/no go decisions
  - SOP for river field flow measurements
  - LimnoTech is authorized to proceed on QAPP/SAP update
  - **Critical path will likely be sign off on revisions – this is needed ASAP**
- AXYS PCB sample bottles
  - Bottles arrive Spokane approximately August 3<sup>rd</sup>
- Sampling Event
  - Gravity has indicated that they have availability the weeks of August 10<sup>th</sup> and August 17<sup>th</sup>
  - Ecology EAP can provide field support for the weeks of August 10<sup>th</sup> and 17<sup>th</sup>

**SRRTTF-ACE**  
**Specification No. 4**  
**Amendment No. 2**  
**(Revision 0)**

**July 24, 2015**

**Technical Advisor**

Specification No. 4 is revised with respect to the Scope of Work as follows:

2015 Synoptic Survey

Supplier shall provide the following support for a synoptic survey of PCB levels in the Spokane River between the Greenacres Gage (Barker Road) and the Spokane Gage (Spokane)

- Revisions of the existing 2014 QAPP and SAP
  - To reflect the condensed special and temporal sampling scope
  - To include a revised rainfall go/no go sampling decision
  - To include a SOP for field stream flow measurements
  
- Pre-sampling event preparations and coordination
  - Assessment of weather conditions and rainfall data input
  - Sampling contractor and contract laboratory event preparation efforts and logistics
  
- Field support for sampling event
  - Provide on-site field oversight during sampling event
  - Prepare and maintain necessary sampling event field logs
  
- Data validation
  - Review of all laboratory data to ensure compliance with data quality objectives as specified in the QAPP
  
- Sampling report
  - Prepare a report documenting all field activities and laboratory results in a draft and final report after addressing SRRTTF comments
  
- Meeting participation and activities coordination
  - Participate in technical and general Task Force meetings and provide technical input and direction on issues as requested

**SRRTTF-ACE**  
**Specification No. 3**  
**Amendment No. 3**

**July 24, 2015**

**Field Sampling Services for PCB**

Based upon the Owner's desire to conduct river sampling between the Barker Road (Greenacres Gage) location and the Spokane (Spokane Gage) location as well as point source sampling at Kaiser Aluminum, Inland Empire Paper, and the Spokane County Water Reclamation Facility, the following scope of services is added.

Summer 2015 Synoptic Sampling

The scope of work is amended as follows:

- Spokane River Sampling
  - Sampling for PCB (2 liter grab samples by direct immersion) and conventional parameters (grab samples of a volume as directed by the Owner's contract laboratory) will be conducted on five consecutive days
  - Sampling is to be conducted at the following locations: Barker Road (Greenacres Gage), "Mirabeau Park", Trent Bridge (Trent Ave Bridge Gage), Greene Street (Greene Street Gage), and Spokane (Spokane Gage)
  - A total of 55 samples for PCB and 30 samples for conventional parameters will be collected at the locations referenced above in accordance with Attachment 1 plus associated trip blanks for PCB and conventional parameters
  
- Point Source Sampling
  - Sampling for PCB (2 liter grab samples by direct immersion where possible) and conventional parameters (grab samples of a volume as directed by the Owner's contract laboratory) will be conducted over the same five consecutive day period as the river sampling, but on the odd numbered days for a total of three sampling events
  - Sampling is to be conducted at the following locations: Kaiser Aluminum, Inland Empire Paper, and the Spokane County Water Reclamation Facility
  - A total of 21 samples for PCB and 9 samples for conventional parameters will be collected at the locations referenced above in accordance with Attachment 1 plus associated transfer blanks for PCB and trip blanks for conventional parameters

- Field Parameters
  - In addition to sample collection for laboratory analysis, data for the following field parameters shall be collected at each sampling location in conjunction with the sample collection for laboratory analysis:
    - Temperature
    - Specific Conductance
    - pH
    - Turbidity
    - Dissolved Oxygen
  
- Flow Measurements
  - At the Barker Road (Greenacres Gage), Mirabeau Park, and Trent Bridge (Trent Bridge Gage) locations river flow measurements are to be taken in conjunction with each river flow sampling event
  - At time of each river flow measurement, record the river stage from the USGS gages at Barker and Trent
  - Obtain from each of the point source the daily flow values for the 5 day sampling period
  
- Sampling Event Report
  - At the conclusion of the synoptic sampling event, a report shall be prepared that provides documentation from field logs, flow measurements, and field sampling parameter results