

**Monitoring Consortium Pilot Project
Standard Operating Procedures and Quality Assurance Project Plan
Standardization Project**

Agenda

Date: June 25, 2009 10:00 am - 3:00 pm
Location: City of Tacoma Transmission Conference Room
Facilitator: Chris Burke, City of Tacoma
Note taker: Julie Lowe, Department of Ecology

10:00 AM

- Introductions/Review Today's Agenda
 - a. Go over agenda including Chris's explanation of this afternoon's training session
- Path Forward for SOP Group (Are we moving forward?)
 - a. No funding yet, but possible in sight
 - b. Stormwater workgroup will be continued and managed by Ecology not the Partnership. The Partnership will take over the monitoring consortium
 - c. Karen is pushing to get us on the agenda at the August 26th meeting with the Washington Forum on Monitoring. They are interested in this groups progress.
 - d. If we don't get funding, what are our options? Can we meet quarterly?
 - e. Some ideas: meet quarterly and work to develop one SOP a year based on our list of needed SOPs developed early on
 - f. As for this summer, we will continue to finalize our four SOPs. Scott Tobiason and other sent over comments which we are working on addressing. Scott sent over several references. I plan to take some time in July and do a good overhaul on the SOPs with the help of Tacoma. I recommend another review session
 - g. How to manage new members: we want to be transparent as possible. If this group is funded, we should consider selecting/having people volunteers as representatives for their jurisdictions/consultants etc.
 - h. How often we will update the SOPs and what would the process look like?
- Update on Database

11:00 AM

- Final DRAFT SOP discussion
- Pollutant load SOP
 - Good suggestions:
 - Create a spreadsheet to do the calculations
 - Insert example equations
 - Be more clear in the step by step fashion
 - Julie's suggestion: make it EIM compatible
 - Explain how to collect base flow samples. We may want to discuss how many samples should be collected and with what methods in order to adequately characterize base flow.
 - Insert appropriate references throughout and work on definitions
 - Insert information in the equipment and supplies sections – insert the equipment needed in order to do this calculation (great suggestion from DOT).
- Sediment Sampling SOP
 - Good suggestions:
 - Insert more explanations – Doug made some really good detailed inserts
 - We need to work on definitions and properly referencing throughout
 - Describe the decon process in more detail
- Grab Sampling SOP
 - Good suggestions:
 - More reference/citations are needed throughout
 - Enter more detailed information on vehicle safety
- Autosampler SOP
 - Good suggestions:
 - This SOP should not be restrictive to in pipe discharges but opened up to include stormwater ponds, open channels, catch basins etc. Put more into applicability section to emphasize that this SOP will capture all of these situations. Also add to definitions. You have to use your own experience and make it applicable to other situations.
 - Julie's idea: we need to remove references to NPDES permit. We don't want this specifically for Muni requirements.
 - Include procedures to decon sampler tubing fully prior to collecting samples. Dana disagrees with this: You can't do this in manhole/confined space entry conditions. These are long term deployments, Tacoma has rinse blank data that shows tubing is not contaminated. Program purge will take care of this.

- We should delete references to 80% of a particular land use. This doesn't apply well with cities that have mixed use developments (Seattle/Tacoma).
- Churn and cone splitters should be used and SSC analyzed instead of TSS for stormwater. Disagreement here, there are two ways of mixing – agitation or using churn splitting. The SOP does list the limitations to using churn splitters and agitation. Main Question from Dana: with SSC studies and TSS studies that were done, were they done on ambient water or stormwater? Were any of those studies related to collection with an auto sampler. The auto sampler already biases the SSC, you are not looking at the full SSC coming down the pipe and we don't know how to measure this right now. WE don't want to get in the middle of this fight. SSC requires a huge volume of water a few liters. This is not feasible with an auto sampler when collecting other parameters. The solids we get in the sampler, we are only concerned with the fines and manual agitation is good enough for this.
- QA/QC section should be more complete. You are correct, feel free to send some information to us, we need help on this, please send suggestions. We also plan on doing a separate SOP to cover replicate collection, field blank collection etc.
- Add more to qualifications list rather than just OSHA training requirements. Insert generic standards here? This could depend on laws/muni or company rules. For this procedure, the main one confined space entry.
- Limit the length of vertical distance to 26 feet – this is based on the particular sampler/equipment. Dependent upon location. This is in USGS sampling SOP (we will eventually reference this, ask Rick to check on the status of a final document).

We can discuss definitions of volume proportioned samples versus flow proportional samples. We can discuss this at a later time. All the SOPs – in the definition section has definitionso of flow weighted samples.

12:00 PM

- Lunch Provided

12:30 PM

- Field SOP Training Demonstration (onsite use of SOPs in all systems)

3:00 PM

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- Adjourn