**Agenda**

Wednesday February 8, 2023, from 9:00 a.m. to 12:00 p.m.

**The Meeting**’**s Goals:**

1. Vote on SWG chair and vice chair
2. Hear findings of SAM Bioretention Effectiveness Study using orifice controls
3. Vote on SAM Budget for 2025-2029
4. Hear updates on permit development, reissuance and informal comment period
5. Hear updates on SAM implementation and administration
6. Vote on annual updates to SWG work plan
7. Hear other updates related to our work

If you are not a designated SWG representative, please mute your microphone.

There will be time for others to provide input at certain times during our meeting today as indicated in the agenda below.

Introduce yourself in the chat, we are no longer going to track attendance, with the exception of voting by members.

9:00 Welcome, introductions, and review of the meeting’s agenda and goals *(Don McQuilliams, Chair)*

* *Vote on SWG Chair and Co-Chair; nominations were Don McQuilliams and Abby Barnes, respectively.*
* *Welcome to the new SAM scientist, Dr. Chelsea Morris, SAM’s working on Status and Trends studies as well as Effectiveness Studies.*
* *Ecology is building a new team for 6PPD BMP studies based on the experiences gained implementing SAM.* 
  + *Madison Bristol, planner and point of contact for 6PPD stormwater and BMP program at Ecology’s WQP.*
  + *Morgan Baker*, *management analyst and point for overarching strategic planning, including contracts, timelines, and internal coordination for 6PPD-Q*
  + *Plans to hire engineer and/or science positions*
* *Jeff Killelea Ecology PDS Section Manager explains interim plans to support SWG.*

9:15 Update on the SAM Round 4 Study Solicitation Process *(Morgan Baker, Brandi Lubliner, Angela Bolton)*

* *Ecology opened the* [*Request for Proposals*](https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/2022Q4_ProgressReport_Mobile-Business-SAM-Study.pdf) *using the SWG approved topic list for Round 4 SAM study solicitation in late January 2023. There is roughly $3.6M available for the 2nd half of this permit cycle for new studies. A similar process, rubric for scoring, and general timeframe is the same as Round 3.*
* *Members of the SAM study selection subgroup will be divided up into review teams for each proposal, (other interested parties can also participate).*
* *Schedule is:*
  + *February 28 - LOIs are due. The SAM Study Selection Subgroup will be pulled back together to formulate review teams in February. Comments from subgroup in March. The SAM Study Selection Subgroup, Ecology and other technical experts will review the LOIs. We will aim for at least 2 people to review and provide feedback to the proponent.*
  + *Full proposals are due May 31, 2023 and scoring and comments due back from subgroup in July.*
  + *Round 4 Proposals Workshop is proposed to be in-person in late August 2023. Should this be in-person or hybrid? Voting will follow within 2 weeks of the workshop.*
  + *SWG discuss voting results at September 13, 2023 meeting*
  + *SWG approval for new studies at November 15, 2023 meeting.*
* *Do work group members have any questions?*
* *Do non-work group members have comments or questions?*

9:35 EPA MS4 stormwater permits with option to join SAM in cooperative monitoring *(Misha Vakoc)*

* *EPA seeks feedback on continuing to add the SAM option to the permits they issue on MS4 stormwater. Currently SAM options are included in three naval stormwater permits: Kitsap Base, Everett Station, and Whidbey Island Air Station. They have included the option in the Joint-Base Lewis McChord permit and are considering the adding to tribal MS4 permits (e.g., Tulalip, future others) as well.*
* *Do work group members have any questions?*
* *Do non-work group members have comments or questions?*

9:50 Ecology permit development discussion *(Amy Waterman, Abbey Stockwell, MS4 Permit Writers)*

* *Discuss any feedback from Caucuses and SWG on the proposed 3 options for EWA for complying with S8 for Effectiveness Studies in preliminary drafts: 1) continue with own coordination on studies, 2) conduct App 9 discharge characterization, or 3) join SAM’s Effectiveness Study and Source Identification fund*
* *Discuss considerations for representation of EWA participating in SWG or PRO-C*
* *Overview of most recent preliminary drafts*
* *Are there considerations from the caucus discussions?*
* *Do work group members have any questions?*
* *Do non-work group members have comments or questions?*

10:00 Break

10:10 SAM Budget for 2025-2029 *(Brandi Lubliner, SAM Coordinator)*

* *SAM revenue needs for 2025-2029 permit cycle were estimated and discussed last November. This one-year offset is intentional and goes into the future than the permit cycle. This is a standard practice to provide time in the first year of the permit cycle (2024) for permittees to consider their S8 options and get SAM costs into their budgets for the following years.*
* *Ecology will apply a 17% overhead rate to the accounts to cover the costs of implementing the SAM program at 1.75FTE (EE5 and NRS4 which is approximately $440K annually for the five years).* 
  + *SAM will continue to have two Status and Trend accounts. Total costs for SAM, including Ecology overhead, are estimated at $5.57M for Puget Sound trend studies and $875,112 Lower Columbia trend study. These costs are as follow for monitoring years 2025-2029:* 
    - *SAM Puget Sound Small Streams costs are estimated at $4.13M*
    - *SAM Nearshore Mussels costs are estimated at $1.42M*
    - *SAM Nearshore Sediment costs are estimated at $23.4K*
    - *SAM Lower Columbia Urban Streams costs are estimated at approximately $875K*
    - *A 10% contingency is included in these estimates*
    - *All unspent funds roll forward from the current permit cycle to the next.*
  + *SAM will continue to have one Effectiveness Studies/Source ID account, even if Ecology writes an option into the EWA permit for those permittees to join SAM.* 
    - *The estimated revenue from Western Washington ONLY permittees for use in Appendix 11 was estimated for approximately for including Ecology overhead $9.36M total for 2025-2029*
* *Are there considerations from the caucus discussions?*
* *Does SWG recommend the following budget for inclusion in Appendix 11 of the draft new permits?*
* *Do work group members have any questions?*
* *Do non-work group members have comments or questions?*

10:35 PRO-C briefing and SAM Implementation *(Todd Hunsdorfer, PRO-C Chair, and Brandi Lubliner, SAM Coordinator)*

* *PRO-C did not meet between November and today’s meeting.*
* *SAM administration updates are limited this quarter as the SAM Coordinator is onboarding many staff and getting the RFP out the door was the focus.*

10:55 Confirm Work Plan Update *(Don McQuilliams, Chair)*

* *Any changes to the proposed SWG Work Plan from the Caucuses?*
* *Do work group members have any questions?*
* *Do non-work group members have comments or questions?*

11:00 Hear update from SWG 6PPD Subgroup *(Eli Mackiewicz and Abby Barnes, Subgroup Co-Chairs)*

* *The subgroup met January 17, 2023,* [*notes*](https://www.ezview.wa.gov/Portals/_1962/Documents/StormwaterWorkGroup/1.17.23%20Final%20Meeting%20Notes.docx)*, and heard from:*
  + *Ecology’s Water Quality Program – discussed new 6PPD-q staff and initial funded BMP projects to conduct 6PPD-q in stormwater characterization and treatment effectiveness*
  + *WSDOT – discussed new staff and ideas as well as new required factors that are influencing a planned update to their retrofit strategy*
  + *USEPA – discussed Region 10’s work on a new lab method for 6PPD-q, bioassays for toxicity, modelling updates, and planned collaboration efforts both internally and with regional workgroups.*
  + *Ecology’s Environmental Assessment Program – discussed their new lab method for 6PPD-q in water and eventually soil samples, and the process by which states are accredited by Ecology, including for 6PPD-q.*
  + *Evergreen StormH20 – discussed utilizing the report commissioned by Ecology for the stormwater manuals (*[*Stormwater Treatment of Tire Contaminants Best Management Practices Effectiveness*](https://fortress.wa.gov/ecy/ezshare/wq/Permits/Flare/2019SWMMWW/Content/Resources/DocsForDownload/2022_SWTreatmentOfTireContaminants-BMPEffectiveness.pdf)*) as a stormwater practitioner to inform current project planning and design.*
  + *Herrera Environmental Consultants – discussed the take home messages from past street sweeping studies on considerations for using this BMP for 6PPD-q management, as well as updates on current studies.*
* *Do work group members have any questions?*
* *Do non-work group members have comments or questions?*

11:35 Updates related to our work *(Group shares other updates)*

* *PSEMP or Steering Committee*
* *EPA-Ecology National Estuary Programs* 
  + *Stormwater SIL Public Roads Retrofit Planning solicitation is complete. They are funding 4 proposals from NGOs, regional planning councils (Thurston), County governments and a CD-municipality partnership for a total of $1,647,195.*
* *Urban Forest Toolkit – recently completed resource for urban planners to manage urban canopy cover,* [Trees for Resilience - Better Ground](https://betterground.org/urban-forests/).
* *Others*

11:50 Wrap up: recap of today’s meeting *(Don McQuilliams, Chair)*

* *Summarize decisions, action items, and next steps from today’s meeting*
  + *Chair & Vice-Chair, Work Plan 2022-23, SAM budgets for 2025-2029*
  + *S8 options for EWA*
* *SWG Reporter:*

12:00 Adjourn

**Future Meeting Dates:**

The next regular SWG meeting is May 17, 2023. The rest of the dates in 2023 are September 13 and November 15. Please mark your calendars for these dates – all Wednesdays, from 9-noon. We may occasionally extend our meeting time; any extended meeting time will be determined at the previous meeting.

*At our meeting on Wednesday, May 17, we will:*

* *Hear findings of SAM studies: orifice control for bioretention (WSU)*
* *Hear updates on SAM implementation and administration; LOIs received*
* *Hear updates on permit formal comment period*
* *Hear other updates related to our work*

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