**Agenda**

Wednesday September 13, 2023, from 9:00 a.m. to 12:00 p.m.

**The Meeting**’**s Goals:**

1. Hear findings from SAM’s completed literature review project on particle sizes in stormwater.
2. Hear updates on Round 4 SAM Study Solicitation
3. Hear updates on MS4 permit reissuance
4. Hear updates on SAM implementation and administration
5. Hear about plans to develop the 2024-2026 SWG workplan
6. Hear about the upcoming SWG 6PPD Subgroup meeting
7. Hear other updates related to our work

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

* 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.
* Feel free to introduce yourself in the chat, we are no longer going to track attendance, with the exception of voting by members.
* Introduce Madison Rose Bristol and Morgan Baker – Ecology’s SWG Interim Coordinators and core members of Ecology’s 6PPD Agency Strategy Team
  + For SWG questions, contact Madison at [madison.bristol@ecy.wa.gov](mailto:madison.bristol@ecy.wa.gov)

9:15 Presentation of findings of SAM Particle-Size Distribution and Implications for BMP Effectiveness Study (Erika Shaffer and Dr. Aimee Navickis-Brasch, Evergreen StormH2O)

* [Published Report: Stormwater Particle Size Distribution and Implications for BMP Effectiveness (June 2023)](https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/D3.5%20Final%20White%20Paper.pdf)
* The particle size distribution (PSD) of stormwater runoff can influence the types and amounts of pollutants that are present, as well as the way that pollutants are transported and interact with each other and with the environment. BMP effectiveness in controlling the range of particles in stormwater is typically not reported or even tested, which makes selecting a BMP more challenging. This literature review gathered the latest information on the size of particles in stormwater, the connection between particle size and stormwater chemistry, and the effectiveness of treatment approaches for particle sizes.
* Do work group members have any questions?
* Do non-work group members have comments or questions?

9:35 Round 4: Workshop, Voting, and SWG Approval Process (Chelsea Morris, SAM Scientist and Madison Rose Bristol, 6PPD Stormwater Lead Planner)

* The workshop heard 8 project proposals:
  + [Brief summaries](https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/SummarySheetProposals-2023.pdf) (including financials), [presentations given](https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/SAM_R4_ProposedProject_Presentations.pdf), and [each proposal in its full form](https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Stormwater-monitoring/Stormwater-Action-Monitoring/SAM-effectiveness-studies) can be found within these links.
* Results of voting
  + Each jurisdiction is allowed a single vote for their top three project choices. This round of voting closes on September 10th. At this meeting, we will share the voting results. Final SWG decisions will occur at our next meeting on November 15th.
* PRO-C budget considerations for funding Round 4 projects
  + The estimated costs for all projects as stated in the Full Proposals is $ 4,414,410, yet SAM funds for studies over the next two years is ~$2.65M.
    - These figures already reduced by Ecology’s administrative costs to implement SAM.
    - There are two existing commitments; Redmond Paired Basin 10-yr study and WSU’s Permeable Pavement Lifecycle Costs (the last Round 3 approved project to start).
* Ecology will share their funding plan for specific SAM Round 4 proposals (Madison Rose Bristol)
* Discussion among meeting attendees
  + Do work group members have any comments or questions?
  + Do non-work group members have comments or questions?
* SWG process for approval and next steps
  + Caucuses should meet between this and next SWG meeting to discuss Round 4 projects for SAM funding based on discussion today, funds available, and permittee voting results.

10:25 Break

10:40 Updates related to our work (Group shares other updates)

* PSEMP
  + **PSEMP Strategic Plan:** PSEMP is undergoing a strategic plan update. We are engaging all the work groups, including the Stormwater WG, to identify the roles and opportunities for PSEMP. A timeline of our current phase is available at [this link](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fpspwa.box.com%2Fs%2Fxjbz3gpbbd6qmbihjfsjuzktjfkedwb3&data=05%7C01%7Cmadb461%40ECY.WA.GOV%7C8d1f962a0cbc4c3618f408dbaff773c0%7C11d0e217264e400a8ba057dcc127d72d%7C0%7C0%7C638297249555085339%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=D5AvBgCPcAgIW1nsyV6fR3n6UvD0qXbkYVPjGKF4Wqc%3D&reserved=0). If folks have any questions or would like to learn more, please reach out to Jenna ([Jenna.Judge@psp.wa.gov](mailto:Jenna.Judge@psp.wa.gov)).
  + **2022 Toxics Synthesis**: The PSEMP Toxics WG has recently published the [2022 Toxics Synthesis](https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.eopugetsound.org%2Farticles%2F2022-salish-sea-toxics-monitoring-synthesis-selection-research&data=05%7C01%7Cmadb461%40ECY.WA.GOV%7C8d1f962a0cbc4c3618f408dbaff773c0%7C11d0e217264e400a8ba057dcc127d72d%7C0%7C0%7C638297249555085339%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=fqx7XswUVvQ8pr4uVp2jk8jAq6zLVNqF3Xp6EbgnTLI%3D&reserved=0). This is an overview of selected recent monitoring and research activities focused on toxic contaminants in the Salish Sea.
* NEP Stormwater SIL:
  + From Dustin Bilhimer: The Toxics Pod will have its first meeting in early October. This workgroup seeks to guide investment recommendations and other NEP activities on toxics in stormwater. [Recruitment](https://www.ezview.wa.gov/Portals/_1962/Documents/StormwaterWorkGroup/Toxics%20Pod%20Recruitment%20Announcement.pdf) has been announced and Dustin is still looking for volunteers and would love to increase representation from cities, counties, and tribes. If interested, please contact Dustin at [dustin.bilhimer@ecy.wa.gov](mailto:dustin.bilhimer@ecy.wa.gov).
  + From Heidi Siegelbaum: Jen McIntyre and her colleagues recently released [a paper](https://www.sciencedirect.com/science/article/pii/S0048969723043826) on bioretention and coho mortality in early life stages. If you have any questions, please reach out to Jen at [jen.mcyntyre@wsu.edu](mailto:jen.mcyntyre@wsu.edu). Please share widely and reach out to Heidi if you have trouble accessing the paper.
* Hear from Todd Hunsdorfer regarding the email distribution list for the local caucus

10:50 Hear about MS4 Permit Reissuance Updates (Abbey Stockwell and Amy Waterman, MS4 Phase I and II Permit Writers)

* Ecology will provide a summary of the changes made to the monitoring section in the recently issued the draft permits.
* Do work group members have any questions?
* Do non-work group members have comments or questions?
* What do work group members think about writing a comment letter about permit updates?

11:10 PRO-C briefing and SAM Implementation (Todd Hunsdorfer, PRO-C Chair, and Chelsea Morris, SAM Scientist)

* PRO-C has updated their charter and would like SWG feedback on new draft charter from SWG and caucuses.
* Since the last SWG meeting, PROC approved an amendment to King Co-led Mobile Business to develop a few more outreach materials for the pilot outreach project and extend the timeframe.
* SAM Newsletter included 3 new completed SAM study fact sheets:
  + - [FS29-Stormwater Particle Size Distribution & Implications for BMP Effectiveness](https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/FS29-Stormwater%20Particle%20Size%20Distribution%20%26%20Implications%20for%20BMP%20Effectiveness.pdf)
    - [FS30-Evaluation of Hydraulic Control Approaches for Bioretention Systems](https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/FS30-Evaluation%20of%20Hydraulic%20Control%20Approaches%20for%20Bioretention%20Systems.pdf)
    - [FS31-Business Source Control & Inspection Program Guidance](https://www.ezview.wa.gov/Portals/_1962/Documents/SAM/FS31-Business%20Source%20Control%20%26%20Inspection%20Program%20Guidance.pdf)
* SAM Budget updates
  + - Workshop costs were minimal due to in-kind from Ecology. Hosted at NWRO and hybrid workshop allowed over 120 people to attend. Pre-pandemic these workshops were put-together by SWG coordinator and AWC for SAM and attendance was about 80 persons at Renton Community Center.
    - PRO-C expects to see the last Redmond amendment by mid-2024 at the latest. This will fund the last water year of the 10-year study and the final trend report.
    - PRO-C supports other multi-year projects, that is a key benefit of SAM’s funding structure.
    - For contracting Ecology can only obligate against the known revenue through the permits which is the 2023 payments just received and the ‘carryover’ payments due in Dec 2024.
    - Recall these carryover payments are the exact same value and based on prior commitment to SAM. The carryover year allows Permittees to contribute to monitoring while deciding and getting spending plans through their fiscal processes for the future years. Permittees will send their commitment letters in Dec 2024; then the future revenue 2025-2029 can be obligated against.
  + Key updates from receiving water studies:
    - USGS is substantially overdue for the WY2020 report.
  + Key updates from the Effectiveness studies and Source ID projects:
    - The WSU-led [Source Control Inspection Program Guidance Manual – Washington Stormwater Center (wastormwatercenter.org)](https://www.wastormwatercenter.org/permit-assistance/municipal/source-control-inspection-program-guidance-manual/) is complete. This project website contains the updated guidance manual with new chapters, an online training program, outreach materials in several languages, and many other tools, videos, and examples. Municipal stormwater permittees who are developing or refining their business source control and inspection programs will be able to access this guidance and resources to help meet their permit requirements. This 2023 manual provides resources, templates, and strategies developed based on research, input, and experiences of jurisdictions that have developed similar programs.
    - The WSU-led Outlet control of Bioretention Effectiveness Study is complete. The study compared discharges from both outlet-controlled and media-controlled designs. Largely, there was limited benefit using an outlet-controlled approach when effluent quality is of primary concern. The outlet-control approach could be beneficial for applications where (1) more predictable and longer residence times are desired in the bioretention facility (2) there is concern about short-circuiting through a portion of the media bed and exhausting the treatment capacity along the short-circulate pathway, and (3) there are no downstream concerns for leaching nutrients and dissolved copper.
    - The other seven SAM projects are progressing well, and all will continue into next year.
* Do work group members have any questions?
* Do non-work group members have comments or questions?

11:30 Draft Work Plan for 2024-2025 (Don McQuilliams, Chair)

* Planned 2024 meeting dates:
  + February 7, May 15, September 11, and November 13
* SWG Chair, Vice Chair, and Ecology SWG Coordinators will begin to work on a draft workplan for the next meeting. The workplan is anticipated to need SWG and Caucuses reviews in 2024.
* Do work group members have any questions?
* Do non-work group members have comments or questions?

11:40 Hear update from SWG 6PPD Subgroup (Eli Mackiewicz and Abby Barnes, Subgroup Co-Chairs)

* The subgroup met May 4, 2023. We are in need of a chair to join Abby – volunteers welcome! If you or someone you know is interested in this role, please send your nomination to Madison at [madison.bristol@ecy.wa.gov](mailto:madison.bristol@ecy.wa.gov).
* The next meeting will be September 27, 2023. We expect to hear from Chelsea Mitchell, who, under the guidance of Dr. Ani Jayakaran, studied permeable pavement as a management option for 6PPD-q. We’ll also hear from Ecology regarding its upcoming RFP and the potential to contract studies with IAA-eligible partners.
* As a reminder we use the SWG 6PPD Gov Delivery system to communicate about this subgroup’s activities. You can sign up for the 6PPD Subgroup [here](https://public.govdelivery.com/accounts/WAECY/subscriber/new?topic_id=WAECY_132).
* Do work group members have any questions?
* Do non-work group members have comments or questions?

11:50 Updates related to our work (Attendees share other updates)

* Additional updates that people would like to share during this meeting?

11:55 Wrap up: recap of today’s meeting (Don McQuilliams, Chair)

* Summarize decisions, action items, and next steps from today’s meeting
  + Reminder: check in with your caucus leads for SAM Solicitation meetings. Todd Hunsdorfer asks everyone in the local caucus please contact him at [thunsdorfer@kingcounty.gov](mailto:thunsdorfer@kingcounty.gov) regarding the email distribution list.

12:00 Adjourn

**Future Meeting Dates:**

The next regular SWG meeting is November 15, 2023. Please mark your calendars for these dates in 2024 are February 7, May 15, September 11, and November 13 – 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, November 15, we will:

* Make final decisions regarding the Round 4 SAM project proposals
* Debrief the Round 4 SAM study selection process
* Review the draft SWG workplan for 2024-2025
* Hear updates on the MS4 permit formal comment period
* Hear about EPA’s MS4 permit options for Army – JBLM to join SAM
* Hear other updates related to our work

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You can join any or all of our email lists on your GovDelivery [Subscriber Preferences Page](https://public.govdelivery.com/accounts/WAECY/subscriber/new?preferences=true). Enter your email address, click to add subscriptions, and navigate to the Water Quality Program list to find: **STORMWATER-ACTION-MONITORING**: up to three newsletters per year to hear about SAM study findings and upcoming workshops; **SWG-REPORTER**: four issues per year to hear about study findings and the process for prioritizing and selecting studies ([read the latest issue](https://sites.google.com/site/pugetsoundstormwaterworkgroup/home/swg-reporter/current-issue)); **STORMWATER-WORK-GROUP** meeting agendas, materials, and summaries of our meetings, and additional announcements related to our work; and **SWG-6PPD-SUBGROUP** for meeting agendas and notes of those discussions.