

# Evergreen StormH<sub>2</sub>O

PO BOX 18912 ♦ Spokane, Washington 99228 ♦ (509)995-0557

## MEETING MINUTES

**Project:** Stormwater Particle Size Distribution & Implications for BMP Effectiveness

**Meeting Topic:** TAC Meeting #1

**Date & Time:** 9:00 to 10:00am 9/7/22

**Location:** Microsoft Teams

**Attendees:** **Technical Advisory Committee**

- Erika Shaffer, Department of Natural Resources
- Dana DeLeon, City of Tacoma
- Michael Henao, City of Pasco
- Ani Jayakaran, Washington State University
- Carla Milesi, University of Washington
- Ben Stryker, City of Des Moines

**Evergreen StormH<sub>2</sub>O Team**

- Aimee Navickis-Brasch
- Mark Maurer
- Patrick Volsky

## KEY DISCUSSION TOPICS

- **Identify methods for measuring PSD**
  - Ani suggested another method for measuring PSD is the vertical settling method that uses a hydrometer. He will send more information including the specific ASTM standard method.
  - Ani also sent info about the Pario method.
  - The method in TAPE is actually an SSC method not a PSD method.
  - Mark asked Carla if TAPE would consider changing or adding PSD methods if we could provide support for a different method. Carla indicated it would be considered.
  - Carla indicated that there may be information from vendor reports about other PSD testing methods including how these methods correlate to the TAPE method. Carla will send us this information.
- **Characterize sources of particulates to stormwater**
  - Ani suggested we look at wastewater influent data as they seem to have more details about PSD that might be helpful for characterizing PSD sources. He send an article about this.
  - Ani also sent an article about Urban sediment particle size and pollutants in Southern Brazil
- **Determine BMP effectiveness as a function of PSD**

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- Dana indicated that Phase I permittees did PSD and SSC testing around 2014 for BMP testing and suggested that we look at those studies.
- Carla had links to these reports and sent them to us.
- Dana mentioned that City of Seattle has a Street Sweeping study that Shelley Baskerfield is responsible for that has some information about particle size related to removal by street sweeping. Aimee to follow up with her.
- Aimee to follow up with City of Tacoma on line cleaning studies.
- Carla has some TAPE studies from WSDOT and Bellingham that may have good PSD info that she will send.
- Mark indicated that proprietary BMPs tend to be more for ultra urban areas and suggested we include them. Others in the group agreed.
- **Identify the influence of PSD on stormwater chemistry**
  - Ani suggested we also consider the ability for water to transport sediment through the MS4 system with some areas being more conducive to transporting sediment through different flow paths compared to others. This may influence where sediment can go.
  - Michal suggested adding FDS to the pollutant list and also consider the %TKN to nitrites and nitrates.
  - Dana suggested adding PAHs and PCBs to the list of pollutants we are looking for.
  - Ben suggested adding 6PPD-q
- **Next Meeting**
  - Erika will send out a doodle poll later this month or early next month for a early to mid December TAC meeting #2.

ACTION ITEM	RESPONSIBLE PARTY	TIMELINE	STATUS
Ani will send over several articles that might be helpful.	Ani	9/9/22	done
Carla will send over vendor report info about how other PSD methods correlate with the TAPE method.	Carla	9/16/22	done
Email Dana to get a copy of the line cleaning report from City of Tacoma.	Aimee	9/12/22	9/22 sent email
Email City of Seattle for the street sweeping study.	Aimee	9/12/22	9/22 sent email
Schedule next TAC Meeting	Erika	End of month	