

LOI #	PDF Name	Applicant Full Name	Organization	1. Proposed Study Title	2. Which topic(s) from the SWG's priority list do you propose to address?	3. Select type of project being proposed
2023-01	LOI1-StormwaterCharacterizationforCECs	Dana de Leon	City of Tacoma	Monitoring for Stormwater Contaminants of Emerging Concern in Western Washington	Topic 16. Regional stormwater discharge monitoring study (Appendix 9, WWA Permit) to characterize emerging pollutants in stormwater, e.g. 6-PPD/q, PFAS/PFOS, micro- and nano- plastic contamination in stormwater.	Environmental Sampling Study
2023-02	LOI2-6PPDQReductionbyFloatingTreatmentWetlands	Lizbeth Seebacher	University of Washington	Biomedix mix analysis for stormwater contaminant reduction with a focus on 6PPD quinone	Study existing BMPs to verify capture or treatment of 6PPD Q and Identify new BMPs that effectively reduce 6PPD-Q	Environmental Sampling Study;Other
2023-03	LOI3-6PPDQReductionbyStreetSweeping	Shelly Basketfield	Seattle Public Utilities	Measuring street sweeping 6PPD-q whole environment load reductions	9. Study street sweeping and/or line cleaning to get more information about 6PPD/q removal.	Environmental Sampling Study
2023-04	LOI4-BenefitsofEnhancedMaintenance	Emma Trehwhitt	Pierce County	Stormwater Related Benefits Evaluation for Restorative and Enhanced Maintenance Type SSCs	Municipal Stormwater Permits #13: Fill gaps on benefits of retrofitting, restoration of riparian buffer, property acquisition, removal of impervious surfaces, floodplain reconnection or other actions used to address stormwater runoff not otherwise required in S.5.C (from Structural Stormwater Controls (SSC), Science Review and Synthesis Project)	Literature Review & Synthesis
2023-05	LOI5-UpdatingInfiltrationMethodsforManual	Merita Trohimovich	City of Tacoma	Updating Infiltration Methods in the Stormwater Manuals	Priority Topic 5 under Maintenance/Manuals	Other
2023-06	LOI6-CatchbasinAccumulationModel	Angela Gallardo	King County	Development of a catch basin model to predict sediment accumulation and clean out frequency	#4. Develop or modify a model to predict catch basin accumulation for predicting maintenance frequencies.	Environmental Sampling Study;Other
2023-07	LOI7-BMPComparisonMatrix	Laurie Larson-Pugh	Washington Stormwater Center	BMP Comparison of effectiveness, costs, constructability, and maintainability	Create a matrix comparing the effectiveness, costs, constructability, maintainability of BMPs.	Literature Review & Synthesis
2023-08	LOI8-ApplyingCMACtoOptimizeWQandFlowControl	Dana de Leon	City of Tacoma	Application of Continuous Monitoring and Adaptive Control for Water Quality and Flood Control	Applied research of #19. Research and compile examples of innovative stormwater management "use of technology tools	Other
2023-09	LOI9-BURitoDesignConstraints	Jenifer McIntyre	Washington Stormwater Center	How to build a BURito: determining design constraints for bioretention urban retrofits	Stormwater management of 6PPDQ	Survey;Other
2023-10	LOI10-OptimizingAnnualReportQuestions	Mindi Kellar	Pierce County	Annual Report Questions for Improved Regional Learning and Permittee Efficiency	Topic 14. Improve future Permit annual report questions for quantifying data for regional learning by analyzing Annual Report data, including analysis of narrative questions.	Literature Review & Synthesis;Other
2023-11	LOI11-ToxicsReductionFullscaleHPBSM-TAPEprotocol	Jenee Colton	King County	Treatment effectiveness of full-scale multiple bioretention soil media types for removing 6PPD-Q and/or toxicity to juvenile coho salmon (Oncorhynchus kisutch) and zooplankton (Daphnia pulex) from stormwater in urban and suburban settings	The proposed study addresses topics 6, 7 and 8 of the Approved Round 4 Priority Topics List.	Environmental Sampling Study
2023-12	LOI12-StreetSweepingProgramConsiderations	Heidi Siegelbaum	Washington Stormwater Center	Synthesis of Street Sweeping Research and Practices: Guiding Program Effectiveness and Waste Management	This study will address multiple priority topics including Maintenance/Manual, Stormwater Management of 6PPD-q, and Municipal Stormwater Permits. Conduct a literature review of street sweeping that will result in a whitepaper which permittees can apply to develop or improve their street sweeping programs. It will also include waste management best practices to guide the disposal of decant water and solids. This work could also be used by Ecology to update street sweeping BMP in the Ecology Stormwater Management Manuals or to consider while making future policy decisions.	Literature Review & Synthesis