

Letter of intent (LOI)

Interested parties should submit a Letter of Intent (LOI) on or before February 28, 2023 for each individual proposal. Letter of intent should include applicant contact information and seven questions about proposed study. More details about SAM study selection process, eligibility and funding availability can be found in SAM REF guidelines in SAM Effectiveness webpage.

The respondent's email (scottk@kindredhydro.com) was recorded on submission of this form.

Applicant contact information

Applicant Full Name *

Merita Trohimovich

Organization *

City of Tacoma

Phone number *

(253) 502-2103

Proposed Study Information

1. Proposed Study Title *

Updating Infiltration Methods in the Stormwater Manuals

2. Which topic(s) from the SWG's priority list do you propose to address? *

The proposed study topic should be in the SWG's priority list

Priority Topic 5 under Maintenance/Manuals

3. Select type of project being proposed *

- Survey
- Literature Review & Synthesis
- Environmental Sampling Study
- Other

4. Short Description of the Proposed Study *

250 word limit: describe how results will assess effectiveness and advance regional understanding and permittees' implementation of specific stormwater management approaches

This grant request will include a facilitated technical review of recently developed advances in infiltration testing and design methodology. These new methods were developed under an Ecology grant funded by EPA's NEP program. The new methods are more accurate and can be easier and less expensive to conduct than PIT testing in dense urban settings. The technical review panel will include a professional facilitator, likely users of the methods (geotechnical engineers and hydrogeologists), Ecology staff, and municipal stormwater professionals. The review panel will evaluate the new methods and suggest changes and refinements. If the review panel agrees that these advances should be incorporated into the Stormwater Management Manuals for Western and Eastern Washington (Manuals), they will work with Ecology staff to develop specific language that can be easily incorporated into the Manuals. This process is similar to the technical review process that Ecology used previously to develop the infiltration methods included in the current Manuals.

5. What type information will be collected or analyzed for this proposed study? *

If existing permittees' data are needed, specify the type, and the expected timing of a request for existing information from Permittees.

The review panel will evaluate the work products developed under the previous grant-funded infiltration study, including: the full technical report, the Infiltration Guide, and the series of spreadsheets for tabulating results and completing necessary calculations. Other infiltration methods may be evaluated and considered for inclusion in the Manuals.

6. What are the anticipated measurable outcomes and key deliverables that will be produced by the proposed study, and how will they be used by Permittees and the Washington State Department of Ecology? *

Assuming the review panel and Ecology approve, this study will provide specific language to update Ecology's Stormwater Management Manuals to include these new methods for conducting infiltration testing and design in Washington State. The new methods will likely provide more accurate infiltration design and include borehole methods that are less expensive and easier to implement in dense urban settings. By working closely with Ecology staff responsible for updating the Manuals, the revised infiltration testing and design language will be suitable for inclusion in the Manuals with minimal editing by Ecology staff.

7. Permittees or agencies you are proposing to coordinate with (provide staff names and contact information, if known) *

Enter "NA" if not applicable.

Doug Howie with Ecology has expressed support for this grant proposal. We will work closely with Doug and the permit writers at Ecology (e.g., Amanda Heye) to develop specific language suitable for the Manuals. A number of municipalities were involved on the previous infiltration study and have expressed support for the proposal (listed alphabetically):

City of Mukilteo - Meiring Borchers, mborcherds@mukilteowa.gov, (425) 263-8083

City of Port Angeles - Jonathan Boehme, jboehme@cityofpa.us, (360) 417.4803

City of Seattle - Sean Caraway, sean.caraway@seattle.gov, (206) 423-6756

King County - Angela Gallardo, agallardo@kingcounty.gov, (512) 940-6225

Pierce County - Maureen Meehan, maureen.meehan@piercecountywa.gov, (253) 798-6793

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