

Letter of intent (LOI)

Interested parties should submit a Letter of Intent (LOI) on or before February 28, 2020 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.

Email address *

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Applicant contact information

Applicant Full Name *

Todd Hunsdorfer

Organization *

King County

Phone number *

206-263-0922

Proposed Study Information

1. Proposed Study Title *

Mobile Businesses, Illicit Discharges, and Multi-Jurisdiction Coordination

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

Question 17 on mobile businesses, including questions 17.1 and 17.2. Also question 23 on IDDE data related to mobile businesses

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

We propose to address several issues related to mobile businesses that travel across jurisdictional boundaries. Mobile businesses have unique challenges related to stormwater and pollution prevention that will be better understood by a focused study. The study we propose includes:

1. A survey of permittees on their source control and IDDE program practices and data related to mobile businesses.
2. A software tool developed for identifying mobile businesses and a framework created for a shared multi-jurisdictional database on mobile businesses. The software will capture mobile business listings from government business licensing and crowd-sourced data (e.g. Angie's List, Yelp business reviews, ThumbTack, etc.) using web data extraction or "data scraping."
3. Based on survey results, possibly analyze permittee IDDE data on mobile businesses.
4. Create a best practices guidance manual on multi-jurisdiction coordination around mobile businesses.
5. Develop and test a pilot program in south King County to implement the software tool, shared database, use the identified best practices, and other cross-jurisdiction coordination on mobile businesses.

This study will increase understanding of the regional impact on stormwater from mobile businesses. Results will help permittees identify mobile businesses residing and/or doing business in their jurisdictions, and coordinate with other jurisdictions to improve the effectiveness and efficiency of their required source control and IDDE programs. In addition, the software tool, shared database framework, best practices guidance, and results from the pilot project in south King County can be used by other permittees to develop, continue, and/or improve region-wide coordination on mobile businesses.

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

If the survey results indicate potentially useful and readily accessible permittee IDDE data on mobile businesses (in the last two permit cycles since 2007), then a data request would be considered or data would be collated from annual reports. If the data request occurs it would likely be made in late spring 2021 to avoid annual report timing.

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? *

Measurable outcomes:

- Improve permittees' and Ecology's knowledge of the number and variety of mobile businesses are out there, where and how they operate, and what environmental pollution concerns are present
- Municipal permittees can use the use software to produce initial list of likely mobile businesses pulled from multiple online sources
- Permittees can refer to the mobile business database to coordinate their outreach and tracking.
- Permittees can learn about the best practices identified for helping mobile businesses with their unique issues and challenges.
- Ecology can use the database to understand the potential impact of mobile businesses regionally and as a tool that is based on regional coordination.
- Ecology can use all outcomes from project to inform and advance the permit source control program requirement

Key deliverables, communications, and dissemination of project findings:

- Technical memo on the results and findings of the permittee survey
- Report on the methodology and software developed for identifying mobile businesses and the framework for creating and using a multi-jurisdiction database of mobile businesses
- Technical memo on the analysis of IDDE data on mobile businesses (if it occurs).
- Guidance manual with best practices for cross-jurisdiction coordination on businesses that travel across jurisdictional boundaries.
- Report on a pilot project in south King County applying the tools developed for this study and a framework for cross-jurisdiction coordination on mobile businesses.
- Post reports and memos on SAM, WSC, and STORM websites
- Fact sheet summarizing findings from white paper
- Presentations to the Stormwater Work Group and at conferences, permittee groups, and local and regional stormwater managers meetings.
- The project team will coordinate with the STORM coalition and consider past and present work related to this topic, including the recent Business Inspection Group's Business Inspection Program Report published in February 2020 and previous work by the currently inactive Mobile Business Group.

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

Enter "NA" if not applicable.

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