

**Letter of Intent to
Submit an NPDES Effectiveness Study Proposal**

All fields must be completed

1. Proposed Study Title: Pt. Orchard Urban Stormwater LID Retrofit Effectiveness Monitoring

2. Short Description of Proposed Study:

The City is currently designing an LID retrofit for downtown Port Orchard to update infrastructure and improve stormwater quality entering Sinclair Inlet. This study would monitor water quality/quantity pre and post construction at three discharge points entering Sinclair Inlet with three unique LID BMPs.

2. What specific Stormwater Management Program condition(s) or other permit condition(s) in the NPDES W. WA. Phase I and/or Phase II Municipal Stormwater Permit does your study address?

Phase I Permit:

Phase II Permit: S4.C,D and S5.C.4,

3. How will this study inform, assess effectiveness and/or support implementation of the specified NPDES permit conditions (e.g., project goal) and future permit conditions?

This project will monitor three main downtown discharge points to Sinclair Inlet for a minimum of two years prior to the LID retrofit and a minimum of two years after retrofit to characterize the improvements achieved with LID retrofitting.

4. What are the anticipated measurable outcomes or deliverables of this proposed study?

Measurable outcomes include water quantity reductions from LID retrofits, water quality improvements (sediment reduction, metals reduction, oil/grease, nutrients, etc). deliverables include comparative assessment of three types of LID BMPs in an urbanized application. Size, effectiveness, cost and best fit will be assessed.

5. How does this study advance regional understanding for stormwater management?

By comparing the pre and post retrofit conditions for the three sites the City will be able to determine which LID BMP of the three provides the best fit treatment for an older urbanized downtown area. This will help to inform Cities of similar size and age, improving water quality in Puget Sound.

6. Applicant(s) Contact Information:

Name: Zack Holt

Organization: City of Port Orchard

Phone: 360-876-4991

Email: zholt@cityofportorchard.us

7. Permittees you are coordinating with (Provide contact information):

None are currently identified, though the City will attempt to coordinate with Kitsap County and any interested phase II permittees in the area.

8. Select Stormwater Work Group study category (select all that apply):

- | | | |
|---|---|---|
| <input type="checkbox"/> Source Control | <input checked="" type="checkbox"/> Retrofits | <input type="checkbox"/> Education & Outreach |
| <input checked="" type="checkbox"/> LID | <input type="checkbox"/> O&M | <input type="checkbox"/> Other: |

Submit LOI to Brandi Lubliner (WA Department of Ecology) via email at Brandi.Lubliner@ecy.wa.gov