

**TOWN OF OGUNQUIT
OGUNQUIT RIVER 319 GRANT PHASE IV
Acorn Engineering, Inc | JN# 1171**

Steering Committee #1 Agenda

May 4, 2023 | 10 AM – Noon | Dunaway Community Center

ZOOM Link:

<https://ogunquitpd->

[org.zoom.us/w/81409463124?tk=hiMXqgDF5M7cJnoZucj2Ijq0qqRA9mNDpsWasCIV9xQ.DQMAAAAS9GHTVBZlCVMzbDJKQlJnZXVZV0ZwcmwwOXNRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA&pwd=cnptdHFEWXkyUDJtV3djNkFsS1pQQT09#success](https://ogunquitpd-org.zoom.us/j/81409463124?tk=hiMXqgDF5M7cJnoZucj2Ijq0qqRA9mNDpsWasCIV9xQ.DQMAAAAS9GHTVBZlCVMzbDJKQlJnZXVZV0ZwcmwwOXNRAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA&pwd=cnptdHFEWXkyUDJtV3djNkFsS1pQQT09#success)

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1) STEERING COMMITTEE MEMBERS

Alphabetically by first name

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2) PHASE IV SCOPE OF WORK

See **“Scope of Work”, Page 3**

- Task 1: Project Administration
- Task 2: Steering Committee
- Task 3: BMP Installation
- Task 4: Targeted Public Outreach
 - a: Press Release
 - b: Door-to-door education
 - c: Public events
- Task 5: Targeted Water Quality Results Monitoring
- Task 6: Pollutant Load Reduction Estimates

4) BMP INSTALLATION

- NPS Site #1: Main Beach Parking Lot: catch basin #1 (CB#1 retrofit)
- NPS Site #2: Leavitt Stream Watershed: rain garden

5) TARGETED PUBLIC OUTREACH

- Topics: proper pet waste disposal and septic system maintenance.
- Review the brochures developed in previous phases.
- Discuss what outreach efforts worked well in previous phases and what didn't.
- Lay out a plan for this year's door-to-door outreach, informed by what was most effective and successful in the past.
- Brainstorm upcoming opportunities to engage with the public and distribute additional brochures, including but not limited to BonAire! 2023 on June 10.

6) WATER QUALITY MONITORING

Hear from FB Environmental's Luke Frankel about the scope and schedule for water quality monitoring activities.

7) LOOKING AHEAD

- Schedule the next Steering Committee Meeting



ATTACHMENT: SCOPE OF WORK (PHASE IV)

The following Scope of Work for Phase IV is from the #20210014 Ogunquit River Watershed Restoration Project- Phase IV Work plan prepared by Maine DEP.

General

All press releases, outreach materials, project signs, and plans will acknowledge that the project is funded in part by the United States Environmental Protection Agency under Section 319 of the Clean Water Act. Project staff will consult with DEP on EPA's public awareness terms and conditions for Section 319 grants before the project commences. In addition, project staff will consult with DEP and EPA before project signs are designed. Refer to the Service Contract, Rider A. Section III. D. Acknowledgement.

The project will not use project funds to undertake, complete or maintain work required by existing permits, consent decrees or other orders. Project staff will exercise best professional judgment in the selection, design and installation of BMPs for NPS sites and will design and install BMPs at NPS sites according to design guidance described in Maine BMP guidance manuals or use other BMPs acceptable to the DEP. Project staff will ensure that permits required for the construction are secured prior to construction and BMPs are constructed in an acceptable manner, before reimbursing the Town according to applicable Construction Plans. BMP design will incorporate climate change resiliency and aquatic organism passage to the extent practicable.

Task 1 – Project Administration

The Town of Ogunquit will administer the project according to the service contract with DEP. The Town of Ogunquit plans to hire a contractor to oversee this task and all other project tasks and will follow Maine DEP procurement guidelines. The Town of Ogunquit, with assistance from the contractor, will track project progress, expenses, matching funds, and submit semiannual Progress Reports, a Final Project Report, and other project deliverables.). The contractor will update the "NPS Site Tracker" Excel spreadsheet to efficiently accumulate and record information about NPS sites observed during this project to enable continued activity in future years to maintain existing BMPs and address new NPS sites.

Task 2 – Steering Committee

A steering committee, which was formed in 2013 under a seed grant provided by the Town, will guide project activities and meet three times during the grant period. This committee will likely include representatives from the Town of Ogunquit, the Ogunquit Conservation Commission, the Ogunquit Sustainability Committee, the Great Works Regional Land Trust, Healthy Rivers Ogunquit, watershed residents, Maine Healthy Beaches, technical consultants, and Maine DEP. The steering committee's main functions will be to assist with the public outreach plan and activities, to review compiled monitoring results, to assist with further pinpointing hotspot locations and possible sources, and to provide feedback on key project deliverables.



Task 3 – BMP Installation at NPS Sites

NPS Site 1: Main Beach Parking Lot

The town-owned Main Beach parking area is a large impervious area that contributes high bacteria counts to the nearby public Riverside Beach through a large stormwater outfall around which many families and their children play.

As mentioned above, microbial DNA testing in 2014 and 2015 showed that the main source of bacteria was seagulls, but human and canine were also detected. This situation makes treatment of the Main Beach parking lot of high priority to protect both public health and water quality in the Ogunquit River.

Under Phase II, only two of the seven catch basins at the Main Beach parking lot were retrofitted with the designed BMP - an enhanced drywell combined with a larger catch basin, a bacteria filter inserts, and an expanded subsurface stone and pipe or R-tank area to distribute water volume and infiltrate to the ground. The original design intended for multiple catch basin retrofits to better treat stormwater from larger storms that would bypass the current retrofits at CB#3 and CB#4

To continue Phase III work, the Town will implement one major stormwater retrofit on town-owned property (at CB#1 at the Main Beach parking lot) that will provide further significant treatment of bacteria in stormwater. Engineered designs (see Attachments) are already available, ensuring the success of this project. Construction will be completed during the off-season and within the project timeline. An NPS Site Report will be submitted for the site.

Project staff will prepare a plan for long-term inspection, operation, and maintenance of the system. The Town will agree to properly operate and maintain the system for its expected service life. Operation and maintenance includes replacing filters as required, actions needed to keep the completed practice safe and functioning as intended, work to prevent deterioration of the practice, repairing damage, or restoration of the practice to its original condition if one or more components fail. The Town will submit final design, specifications, and construction plans for the treatment system to DEP for review and approval before construction commences. This plan will include cost estimates and exhibit the Town of Ogunquit's commitment to perform the required operation and maintenance.

NPS Site 2: Jothams and Valleybrook Rd Stream Crossings

The Jothams Lane and Valleybrook Road stream crossings are two locations, roughly 500 feet apart, where town roads cross Leavitt Stream via culverts. These areas were identified in the most recent watershed survey as having bare soil and poor, degraded buffers adjacent to the stream, reducing the effectiveness of the riparian zone to remove bacteria before reaching the walkers, indicating that enhanced vegetated buffers could prevent dog waste from being washed into Leavitt Stream at these locations.

Project staff will prepare a sketch of the site layout and the vegetated buffer to be installed at the site. Town Public Works staff will carry out the implementation. Project staff will prepare a plan for long-term inspection, operation, and maintenance of the vegetated buffer. An NPS Site Report will be submitted for the site.



Task 4 – Targeted Public Outreach

Project staff will continue the multi-tiered public outreach program established under Phase I, with modifications resulting from review of the Phase I-III program. Several challenges were encountered with the Phase I public outreach program. For example, finding hosts for the residential socials in the identified hotspot neighborhoods proved very difficult, even with contacts being shared by Town staff. Phase II public outreach focused on fecal sources from pet waste and septic systems. Proper pet waste disposal education was targeted to dog owners in Town. Septic system maintenance and inspection outreach was targeted to homeowners in hotspots neighborhoods, especially the neighborhoods surrounding the Leavitt Stream. Door-to-door outreach of residents proved very successful in promoting awareness of water quality and pollution issues in the watershed; however, not all homes in the Leavitt Stream neighborhoods were visited under Phase II. Phase III encountered significant difficulty in conducting door-to-door outreach during the Covid-19 pandemic in 2020 but is expected to be completed in 2021.

Subtask 4a: Project staff and steering committee members will develop one press release describing project activities and progress, in cooperation with the DEP Grant Agreement Administrator.

Subtask 4b: Door-to-door education of proper pet waste disposal and septic system maintenance in hotspot neighborhoods. The Town will send out a notification letter to homeowners in the target neighborhoods (including Leavitt Stream & Littlefield Villages) before completing 2 field days of door-to-door outreach. The outreach will consist of discussing proper pet waste disposal and septic system inspection and maintenance, distributing the brochures (developed under Phase II), answering homeowner questions, and surveying homeowners about their septic systems. Notes may be taken on anything learned during the outreach to help inform future work and fill in information gaps (e.g., the septic system database). The Town will provide a brief report of the outreach.

Subtask 4c: Project staff will present project material promoting the focused outreach messages regarding the importance of proper pet waste disposal, septic system inspection and maintenance, and stormwater management at three public events in Ogunquit such as Select Board and Conservation Commission meetings.

All materials developed and distributed through this outreach program will be made available through the updated “Protect the Ogunquit River” website. All materials will acknowledge that the project is funded in part by the US EPA under Section 319 of the Clean Water Act.

Task 5 – Targeted Water Quality Results Monitoring (Assess BMP Effectiveness)

The Town of Ogunquit has committed to providing funding for two years of annual water quality monitoring projects. These projects will build upon current and past water quality monitoring funded by the Town of Ogunquit and Maine Healthy Beaches. Sites will be sampled for Enterococci bacteria under different weather and flow conditions. The goal of the water quality monitoring will be to assess the effectiveness of on-the-ground activities to improve water quality as part of the implementation of the WBP. Data will be collected in accordance with the



previously established Ogunquit River Lower-Watershed Bacteria Monitoring Quality Assurance Project Plan (QAPP) held by FB Environmental. This task includes funding for a Sampling and Analysis Plan (SAP) for each year of data collection, as well as time to complete minor revisions to the five-year QAPP. The annual SAPs will be developed in collaboration with DEP and will focus on collecting data useful for tracking sources and improvements. A brief report of the annual water quality data collected will be provided, in addition to a water quality data report in MS Excel format to be submitted to DEP as a deliverable

Task 6 – Pollutant Load Reduction Estimates

The consultant will estimate NPS pollutant load reductions and resources protected under this project. During design or installation of conservation practices at NPS sites, appropriate field measurements will be recorded to prepare estimates of pollutant load reductions. Methods to be used are the EPA Region 5 Load Estimate Model (<http://it.tetrattech-ffx.com/step1web/>) and removal efficiency results from the manufacturer. Results will be provided on a standard form “Pollutants Controlled Report” (PCR) which will be submitted to DEP for review and approval, by December 31st of each project year.

