



September 5, 2019

Mr. Tom Gibson
Project Manager
First Unitarian Church of Cleveland
1836 Wilton Rd.
Cleveland, OH 44118

Re: Annual Inspection with Concerns
Project Title: First Unitarian Solar Rain Garden

Dear Mr. Gibson:

The Northeast Ohio Regional Sewer District (District) supports the strategic implementation and long-term maintenance of green infrastructure that protects, preserves, enhances, and restores natural hydrologic function.

This document provides review and recommendations of the above project in response to the Northeast Ohio Regional Sewer District's Small Scale Stormwater Demonstration Projects (S3DP) Grant or Green Infrastructure Grant (GIG) Program Agreement. As a grantee or sub-grantee, you are responsible for the long-term operation and maintenance of the project. District staff recently completed an annual inspection of your project, and as a result operation and maintenance concerns have been identified that need attention, please see attached inspection report for details.

To assist your organization with the corrective action, it is necessary to schedule an onsite visit. Please contact me, Crystal Davis, at 216-881-6600 ext. 6447 within 15 days of receipt of this letter to schedule your onsite visit.

Sincerely,

A handwritten signature in blue ink that reads "Crystal Davis". The signature is fluid and cursive, with the first and last names being clearly legible.



Crystal Davis
Watershed Programs Specialist
davisc@neorsd.org

Enclosure

Rain Barrel/Cistern Inspection and Maintenance Checklist

| | | |
|--|----------------------------------|---|
| Green Infrastructure Site Location and Address: First Unitarian Solar Rain Garden | | |
| Date and Time: July 16 th , 2019/ 10:38am | Weather Conditions: Sunny | Date of Last Inspection: 6/19/2018 |
| Inspector and Title: Christopher Hartman, Crystal Davis, Spencer Nash, Jessica Cotton | | |
| Pretreatment: Yes | | Other, specify: Filter screen |
| Site Plan or As-Built Plan Available: YES | | |

****Special Notes:** An untrained individual should never enter a cistern. Never drink water from a rain barrel or a cistern. Always follow the manufacturer's manual and recommended maintenance schedule.

| Inspection Item | Images |
|---|--|
| PRETREATMENT | |
| Sediment and debris have accumulated in gutter. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA |  |
| The screen or trap is clogged or not attached. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | |
| Action needed. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA | |
| Comments: Accumulation of debris in the filter for the square cisterns. Remove the debris that is present and dispose of properly. Please refer to photo 1. | |
| FOUNDATION | |
| Barrel foundation is unstable: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA |  |
| Action needed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Comments: No additional comments. | |
| INLETS/DOWNSPOUTS | |
| Gutters and downspouts joints are disconnected and/or leaks are present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | Photo 1. ----- ----- |
| Downspouts are disconnected to barrel and/or leaks are present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Diverter is disconnected and/or leaks are present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Action needed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| | Photo 2. |


| | |
|---|---|
| Comments: No additional comments. |  |
| Spigot | |
| Visible leaks are present, and connections are not tight. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Valves and knobs do not turn. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Comments: No additional comments. | |
| RAIN BARREL/CISTERN | |
| Sediment accumulated at bottom of barrel. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | |
| Odor of mildew present or algae is visible inside the barrel. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Cracks or leaks are visible in barrel. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Mosquito larva is visible in barrel. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Comments: No additional comments. | |
| OVERFLOW STRUCTURE | |
| Overflow is directed away from the structure or disconnected from the downspout. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | |
| Other. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA | |
| Action needed. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Comments. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA | |
| Wet weather inspection needed? | |
| SUMMARY Please address the following items: <ol style="list-style-type: none"> Provide verification how the stored water is being utilized and an estimate of how much is utilized. Clear the debris that has deposited in the pretreatment filters (square cisterns) (Refer to photo 1 for location). | |

Photo 3.