**Lake Champlain Basin Program**

**Quarterly Report**

**July 6, 2016**

**Organization Name:** Stone Environmental, Inc.

**Project Name:** Assessment of Tile Drainage System Impacts to Lake Champlain and Phosphorus Loads in Tile Drainage in the Jewett Brook Watershed of St Albans Bay

**NEI Job Code:** 0100-310-002

**Project Code:** L-2016-060

**Final Report Due Date (per your workplan):** September 2018

**Contact Information:**

Julie Moore, P.E.

Water Resources Group Leader

Stone Environmental, Inc.

535 Stone Cutters Way

Montpelier, VT 05602

(802)229-1881 (p) / (802)229-5417 (f)

[jmoore@stone-env.com](mailto:jmoore@stone-env.com)

**Summary of Activities:**

***Task 1: Literature Review Examining Tile Drainage Systems***

A secondary data QAPP was submitted it to NEIWPCC for review on June 1, 2016. A fully executed version of the QAPP was returned to Stone on June 17, 2016. The Stone team immediately commenced work on searching the scientific literature for relevant peer-reviewed articles and data from gray literature of suitable quality. Stone anticipates delivering the completed literature review on or before August 15, 2016.

***Task 2: Assessment of Tile Drainage Systems in the Jewett Brook Watershed***

No activity.

***Task 3: Phosphorus Load Estimation of Tile Drainage Systems in the Jewett Brook Watershed***

No activity.

**Challenges Encountered:**

Due to delays in contracting and project start-up, it was not possible to complete the literature review by July 1. As such, Stone is requesting the deadline for the delivering the literature review be extended until August 15, 2016.

**Work Anticipated Next Quarter:**

Assuming a contract amendment that will allow the Stone team to begin work on Task 2 is received during July, we anticipate securing farmer permission for all monitoring sites and initiating tile drain system characterization efforts during the next quarter. It is anticipated that construction of the monitoring stations will need to wait until after crops are harvested, commencing in either late-September or early-October.

**Project Status:**

Although the start of this project was delayed, we do not anticipate that it will effect out ability to commence monitoring at all sites by the end of 2016, or that there will be further delays in project implementation.

**Quality Assurance Progress** (for projects with approved QAPPs only):

Stone prepared a secondary data QAPP that is being used to guide the literature review and submitted it to NEIWPCC for review on June 1, 2016. A fully executed version of the QAPP was returned to Stone on June 17, 2016. The QAPP will be revised to include primary data collection activities once the contract is amended to allow work to begin under Task 2.