**Lake Champlain Basin Program**

**Quarterly Report**

**October 7, 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

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**Summary of Activities:**

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

A complete draft of the literature review was submitted to NEIWPCC on August 19, 2016; in response to preliminary comments received from NEIWPCC, a supplement to the draft review was prepared and submitted on September 23, 2016.

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

An amendment to the QAPP covering the primary data collection efforts needed to complete Task 2 was submitted to NEIWPCC for review on September 16, 2016. Stone anticipates placing the order for the necessary monitoring equipment as soon as a fully executed version of the QAPP is returned to Stone. Stone recently initiated efforts to secure farmer permission for all monitoring sites and initiated tile drain system characterization; it is anticipated this work will be completed by the end of October.

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

No activity.

**Challenges Encountered:**

None.

**Work Anticipated Next Quarter:**

We will secure farmer permission for all monitoring sites and complete tile drain system characterization efforts during the next quarter. It is anticipated that construction of the monitoring stations will commence in either late-October or early-November, depending on the timing of the equipment order.

**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 was revised to include primary data collection activities under Task 2 and resubmitted to NEIWPCC on September 16, 2016.