

a popular report entitled *The Archaeology of a Champlain Canal Boat and the Pine Street Barge Canal* (available as a link from www.epa.gov/sites/superfund/pinestreet) and signage for the Site chronicling its role in Burlington's booming lumber industry in the late 1800s to its cleanup under Superfund.

4.3 SYSTEM OPERATIONS/OPERATION AND MAINTENANCE

Three monitoring phases were specified in the ROD: pre-construction, construction/post-construction, and long-term. Post-construction for each component of the remedy began once construction on that component was completed. Monitoring moved from post-construction to long-term, including operation and maintenance, with EPA approval of the *Remedial Action Construction Completion Report* (JCO, 2004b) in December 2004. Compliance monitoring is performed in order to comply with the requirements and determine achievement of the performance standards specified in the ROD and RD/RA SOW.

Long-term monitoring is currently performed according to *Compliance Monitoring Workplan, Revision 5*, (JCO, 2006). Long-term monitoring activities include the following:

- Groundwater monitoring
- Surface water monitoring
- Stormwater inflow monitoring
- Sediment transport monitoring
- Physical, chemical, and benthic/biological monitoring of the cap
- Aquatic and wetland habitat restoration monitoring

Long-term monitoring has averaged \$150,000 a year over the five years covered by this review.

Operation and maintenance for Area 7 and the outfall at Burlington Electric Department is conducted by Burlington Department of Public Works.

Superfund Records Center
SITE: PINE STREET CANAL
BREAK: 8.3
OTHER: 501469

Second Five-Year Review Report

for

Pine Street Barge Canal Superfund Site

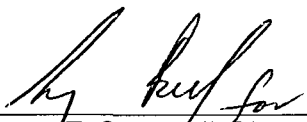
Burlington,

Chittenden County, Vermont

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Date

