

Mill River Cleanup Project Update

December 2015

Update No. 12

The following is a monthly project update for the cleanup of lead impacted sediment by hydraulic dredging in the Mill River. We have completed the sediment dredging portion of the project and are currently in the on-going process of dewatering the sediment, treating the filtrate water from the dewatering process, and discharging treated water back to the Mill River. All of the sediment dewatering and water treatment work is occurring at the facility on Exide's property at 2190 Post Road in Fairfield. TRC is the firm conducting the cleanup work for Exide.

What Has Happened in November

During November you may have noticed the following activities:

- Began polishing dredging in Area III (between Harbor Road and the Post Road bridge), and then in Area II (between the Metro North railroad bridge and the Post Road bridge). Upon completion of polish dredging activities, the equipment was secured in the Mill River until it can be demobilized from the site.
- The turbidity meters (yellow buoys with solar panels), turbidity curtains (floating yellow items), and the large orange pipeline that conveys sediment to the Exide property were moved as polishing dredging progressed in Areas III and II.
- Completed polishing dredging in Areas III and II on November 18, 2015.
- Collected additional final sediment verification samples after polishing dredging was completed in Areas III and II. The results were used to evaluate sediment remediation activities against the approved clean-up criteria. A memorandum dated November 30, 2015 summarizing the final sediment verification sample results and comparison to the clean-up criteria was submitted to CT DEEP for review and approval with copies distributed to the Town and FairPLAN per the Communication Plan.
- Moved the dredge, turbidity curtains, and orange discharge pipeline in Area II, close to the eastern bank of the river.
- Removed the four turbidity monitors from the river.
- Dewatering of sediment and treatment of filtrate at Exide's property is ongoing. The filtrate (i.e., water) treatment process has been very effective. For example, since the filtrate treatment plant (WTP) began operation in October 2014, the average concentration of lead in water discharged through November 17, 2015 is very low, 13.51 ug/L (i.e., parts per billion). This is approximately 9% of the CT DEEP permitted discharge limit of 150 ug/L.
- Monitoring and sampling, as required by CT DEEP is being conducted, and permit limits are being met.

What to Expect in December

In December, we will conduct the following activities:

- A Public Information Meeting will be held on Monday, December 7, 2015 at 7 pm to present the results of dredging activities completed in 2015. The meeting will be held at the Board of Education Conference Room, 2nd floor at 501 Kings Hwy East.
- Upon CT DEEP approval of the final verification sample results, TRC will commence demobilizing marine equipment from the Site. Demobilization will include removal of the two dredges, support barge and excavator, turbidity curtains, and orange discharge pipeline. Demobilization is scheduled to start on December 13, 2015. Demobilized equipment removed from the Mill River will be shipped off-site.
- Dewatering of sediment and treatment of filtrate will continue at Exide's property.

- Monitoring and sampling will continue, as required by CT DEEP. The WTP will remain at the Exide property, and continue to treat filtrate as the sediment dewaterers. The WTP is expected to remain in operation until the dewatered sediment is removed from the Exide property, currently scheduled to begin sometime between February and April of 2016. This will include the WTP discharge manifold located in the river in Area II. Discharge monitoring will be intermittent during this period reflecting the infrequent generation of treated water.

For More Information

If you have any questions or comments, or would like to be added to our distribution list for future project updates, please contact Exide's environmental consultant CCA, LLC as follows: Richard R. Chandler L.E.P., C.P.G. (203) 815-3141 richardchandler@ccaengineering.com

The CT Department of Energy and Environmental Protection has project information on its website: http://www.ct.gov/deep/cwp/view.asp?a=2719&q=517076&depNav_GID=1654, including a fact sheet:

http://www.ct.gov/deep/lib/deep/water/tmdl/millriver/deepmillriver_factsheet_9_14.pdf