

Mill River Cleanup Project Update

July 2015

Update No. 7

The following is a monthly project update for the cleanup of lead impacted sediment by hydraulic dredging in the Mill River. We are currently in the process of dredging, 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 June

During June you may have noticed the following activities:

- Dredging continued in Area I - the portion of the Mill River between the Interstate 95 Bridge and the Metro North railroad bridge.
- Dredging in Area I was successfully completed on June 29th.
- Dredging began in Area II – the portion of the Mill River adjacent to Exide's property, between the Metro North railroad bridge and the Post Road Bridge, on June 30th.
- The turbidity meters (yellow buoys with solar panels), turbidity curtains (floating yellow items), and the large orange pipeline (that conveys sediment to Exide's property) were moved periodically, as dredging progressed in Areas I and II.
- 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 system began operation in October 2014, the average concentration of lead in water discharged through the week ending June 27th is very low, 4.38 ug/L (i.e., parts per billion) which is approximately 3% of the 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.
- The dredge that was working in Area III – portion of the Mill River between the Post Road Bridge and Tide Mill Dam, is temporarily positioned in an alcove south of the Post Road Bridge. This dredge remains in Area III as it is not possible to move it under the Post Road Bridge due to water levels, and this equipment will be needed again in several months to facilitate dredging in Area IV. It is also possible that after final sediment verification sampling occurs in Area III, that additional "polishing" dredging may be required. Exide applied for a Certificate of Permission with CT DEEP to temporarily position this dredge, and this Certificate of Permission was authorized by CT DEEP.

What to Expect in July

In July, we will conduct the following activities:

- Continue dredging in Area II. Once dredging in Area II is complete, dredging will be on hold until October in consideration of the shellfish spawning restriction associated with Area IV – the portion of the Mill River south of the Tide Mill Dam. Area IV is the last area to be dredged for the project.
- 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 will be moved as dredging progresses in Area II.
- Dewatering of sediment and treatment of filtrate will continue at Exide's property.
- Monitoring and sampling will continue, as required by CT DEEP.

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