

June 10, 2010

Hendrix Street Canal

New York Environmental Protection has hired a firm to remove accumulated combined sewer overflow (CSO) sediment (black mayonnaise or pudding like stuff) from the upper portion of the canal to provide odor abatement for the surrounding community in accordance with the CSO Consent Order with the New York State Department of Environmental Conservation (NYSDEC). CSO sediment is composed of material from combined sewer overflow (storm water and untreated wastewater) which occurs during certain conditions of wet weather events. In general, CSO sediment is high in organic material, yet variable in composition due to natural and man-made inputs to the combined sewer system. Interim dredging is proposed for the uppermost 1,400 feet of the canal. This action would remove accumulated CSO sediments (20,000 cubic yards) from the canal by hydraulic dredging. Hendrix Street Canal is the first of several CSO sediment removal projects to be performed by the NYCDEP.

METHODOLOGY: Hydraulic dredging will be used for the removal of CSO sediments as hydraulic dredging will reduce the overall project duration, result in less turbidity within the canal, and have less impact on the benthic (organisms that live on the bottom of a water body) habitat within the canal. The dredged material would be pumped through a flexible pipeline from the work area to dewatering equipment to be staged on barges moored to the existing NYCDEP pier. The filtrate (resulting water from the dewatering operation) would then be pumped, via floating pipe to the work site. The dewatered material would be transported by barge from the NYCDEP for further off-site processing to a facility located in New Jersey and disposed. The canal bottom will then be restored by placing clean sand atop the dredged surface to cap the remaining sediments within the dredged area of the canal. Sand used in the capping operation will also be transported via barge and off-loaded at the NYCDEP pier.

PROJECT DURATION: It is anticipated that the project will be initiated mid-July 2010 and be completed mid to late summer 2011. There will be a team of 9 to 10 people working Monday through Friday from 7:00 AM to 6:00PM.

CONSTRUCTION HIGHLIGHTS: Dewatered CSO sediments to be removed via barges; clean sand to be delivered to project site via barges; odor control system at dewatering site located at NYCDEP pier to include aerosol neutralizing agent; Turbidity curtain to be installed downstream of dredge work area; dredging activities may cease during winter months.

Mr. Bob DeLorenzo (Mobile Dredging & Pumping) and Ms. Daby Marulanda (DEP) made the presentation.

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