



March 16, 2021

Edward Hampston, P.E.
Director, Bureau of Water Compliance
New York State Department of Environmental Conservation
625 Broadway, 4th Floor
Albany, New York 12233-3506

Vincent Sapienza, P.E.
Commissioner

Re: Order on Consent (DEC Case No. C02-20000107-8, as modified); Appendix A, XI. B. Hutchinson River CSO Outfall Extension and Floatables Control, Proposed Modifications to Design

James G. Mueller, P.E.
Agency Chief Engineer

Dear Mr. Hampston:

The New York City Department of Environmental Protection (“DEP”) hereby submits to the New York State Department of Environmental Conservation (“DEC”) a proposed modification to eliminate the chlorination and dechlorination facilities from the scope of work in the DEC approved Hutchinson River Combined Sewer Overflow (“CSO”) Long Term Control Plan (“LTCP”) plan (“LTCP Approved Plan”). As an alternative, DEP proposes to increase the conduit storage volume that DEP expects will attain an equivalent bacterial loading reduction and achieve additional CSO volume and floatables reductions. Attached is the Hutchinson River Basis of Design Report (“BODR”) for the LTCP Approved Plan as a reference. Pending DEC review and approval, DEP will amend this BODR to reflect these proposed changes and may have to amend the design and construction schedule to reflect the time to modify the design and the new scope of work, but will make best efforts to adhere to the original schedule.

The LTCP Approved Plan for the Hutchinson River recommended a floatables control and disinfection facility to treat up to 50 MGD of CSO during rain events that resulted in overflows. This flow rate was based on a waste load allocation approach, in which DEP needed to reduce the CSO bacterial loading by 17% during the recreational season. The initial size and length of the conduit in the LTCP Approved Plan was a 1,200’ long circular conduit with a diameter of 10’ that equates to a volume of about 0.7 MG. As this project proceeded to design, enhancements were made to size the new conduit to convey and provide floatables control for up to 300 MGD of flow and the conduit was also sized to account for future projected sea level rise. As a result, the new proposed conduit is 1,231’ long and is a rectangular 14'-0"W x 10'-0"H box sewer that has a volume of about 1.3 MG.

The proposed modifications to the LTCP Approved Plan is to eliminate both chlorination and dechlorination facilities and upsize the conduit to provide 2.8 MG of CSO Storage in conjunction with designing the system to provide floatables control for up to 300 MGD of flows entering the new conduit. This is projected to result in about a 20% reduction in CSO discharges on an annual basis and about a 50% reduction in floatables (almost 100% at HP-024) into the Hutchinson River. These proposed modifications achieve a similar bacterial reduction as required by the waste load allocation and provide for better floatables control along with year round CSO reductions.

**Office of the Agency
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During this time of fiscal uncertainty and to conserve resources during the COVID-19 pandemic, DEP must pause current design efforts pending DEC's review and approval of DEP's proposed modification. DEP would like to set up a time to discuss this proposal with DEC at your earliest convenience. DEP will also be prepared to discuss the best approach to public participation for this proposed modification to the LTCP Approved Plan. DEP will reach out to set up a time to discuss, in the meantime, if you require additional information, please contact me at (718) 595-5972, or kmahoney@dep.nyc.gov.

Vincent Sapienza, P.E.
Commissioner

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Sincerely;

A handwritten signature in black ink that reads 'Keith Mahoney' in a cursive script.

Keith Mahoney, PE
Acting LTCP Program Manager

Copy to:

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