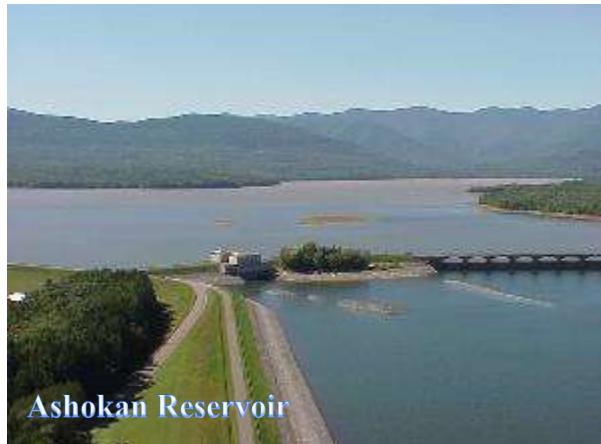


**MODIFICATION OF THE  
CATALUM SPDES PERMIT  
DRAFT ENVIRONMENTAL IMPACT STATEMENT**



**Lead Agency:**  
**New York State Department of Environmental Conservation**

**Applicant:**  
**New York City Department of Environmental Protection**

**December 2020**

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**Modification of the Catalum SPDES Permit**  
**Draft Environmental Impact Statement**

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## ACRONYMS

**AQI** – Air Quality Index

**ARWG** – Ashokan Release Working Group

**AST** – Aboveground Storage Tank

**ATP** – Alum Treatment Plan

**BANCS** – Bank Assessment for Non-Point Source Consequence of Sediment

**BEHI** – Bank Erosion Hazard Index

**BGPA** – Bald and Golden Eagle Protection Act

**BMP** – Best Management Practices

**CATIC** – Catskill Influent Chamber

**CEA** – Critical Environmental Areas

**CEQR** – City Environmental Quality Review

**CF** – Channel-forming

**CFS** – Cubic feet per second

**CMP** – Coastal Management Plan

**CMZA** – Coastal Management Zone Area

**CRIS** – Cultural Resource Information System

**CSSO** – Conditional Seasonal Storage Objective

**CWA** – Clean Water Act

**cy** – Cubic yards

**CZMA** – Coastal Zone Management Act

**dB** – Decibels

**dB(A)** – A-weighted Decibel Scale

**dbh** – Diameter at breast height

**DEIS** – Draft Environmental Impact Statement

**DEM** – Digital Elevation Model

**DEP** – New York City Department of Environmental Protection

**EAB** – Emerald Ash Borer

**ECL** – Environmental Conservation Law

**EIS** – Environmental Impact Statement

**EPA** – U.S. Environmental Protection Agency

**EPT** – Ephemeroptera/Plecoptera/Trichoptera

**FAA** – Federal Aviation Administration

**FAD** – Filtration Avoidance Determination

- FEIS** – Final Environmental Impact Statement
- FEMA** – Federal Emergency Management Agency
- FFMP** – Flexible Flow Management Plan
- FIRM** – Federal Insurance Rate Map
- FIS** – Flood Insurance Study
- ft/s** – Feet per second
- GB** – General business
- GOSR** – Governor's Office of Storm Recovery
- gpm** – Gallons per minute
- HB** – Highway Business
- HBI** – Hilsenhoff's Biotic Index
- HC** – Highway commercial
- HDR** – High-density residence
- HRDC** – Hudson River Tunnel Drainage Chamber
- HSI** – Habitat Suitability Indices
- HUD** – U.S. Department of Housing & Urban Development
- IB** – Inner Berm
- IPaC** – Information for Planning and Consultation
- IQR** – Interquartile Range
- IRP** – Interim Ashokan Release Protocol
- JTU** – Jackson Turbidity Units
- KEC** – Kensico-Eastview Connection
- Ldn** – Day-night average sound level
- LEHD** – Longitudinal Employer-Household Dynamics
- LEWP** – Lower Esopus Watershed Project
- LWRP** – Local Waterfront Revitalization Program
- MBTA** – Migratory Bird Treaty Act
- MDR** – Medium-density Residence
- MGD** – Million Gallons per Day
- mg/kg** – Milligrams per Kilogram
- mg/L** – Milligrams per Liter
- MHI** – Median Household Income
- NAAQS** – National Ambient Air Quality Standards
- NALMS** – North American Lake Management Society
- NBS** – Near-Bank Stress

**NC** – Neighborhood Commercial

**NCO** – Number of non-chironomid and oligochaetes taxa

**NOAA** – National Oceanic and Atmospheric Administration

**NRCS** – Natural Resources Conservation Service

**NTP** – Notice to Proceed

**NTU** – Nephelometric Turbidity Units

**NWI** – National Wetland Inventory

**NWS** – National Weather Service

**NY** – New York

**NYC** – New York City

**NYCRR** – New York City Rules and Regulations

**NYRCR** – New York Rising Community Reconstruction

**NYMA** – New York Metropolitan Area

**NYNHP** – New York Natural Heritage Program

**NYS** – New York State

**NYSDEC** – New York State Department of Environmental Conservation

**NYSDOH** – New York State Department of Health

**NYSDOS** – New York State Department of State

**NYSOPRHP** – New York State Office of Parks, Recreation and Historic Preservation

**O&W** – Ontario and Western

**OLI** – Office/Light Industrial

**OM** – Office Manufacturing

**OST** – Operations Support Tool

**PEJ** – Potential Environmental Justice

**PPM** – Part per Million

**PW** – Planned Waterfront

**RI** – Recurrence Interval

**ROP** – Revised Operating Protocol

**RWBT** – Rondout West Branch Tunnel

**SAV** – Submerged Aquatic Vegetation

**SBU** – Stream Biomonitoring Unit

**SC** – Silt-clay

**SDWA** – Safe Drinking Water Act

**SEQRA** – State Environmental Quality Review Act

**SFHA** – Special Flood Hazard Area

- SHPO** – State Historic Preservation Office
- SPDES** – State Pollutant Discharge Elimination System
- sq mi** – Square miles
- SWTR** – Surface Water Treatment Rules
- TAGM** – Technical and Administrative Guidance Memorandum
- TSS** – Total Suspended Solids (or Sediment)
- µg/L** – micrograms per liter
- U.S.** – United States
- USACE** – U.S. Army Corps of Engineers
- UEC** – Upper Effluent Chamber
- USDA** – U.S. Department of Agriculture
- USFWS** – U.S. Fish and Wildlife Service
- USGS** – U.S. Geological Survey
- UST** – Underground Storage Tank
- UV** – Ultraviolet Light
- WD** – Waterfront Overlay District
- WFF** – Water for the Future
- WFP** – Water Filtration Plant
- WWQMP** – Watershed Water Quality Monitoring Plan