




**New York State Canal Corporation Embankment Maintenance Program
NYSDEC FEAF Part I Supplemental**

	City of Troy	Town of Schaghticoke
B. Government Entity and		
i. (i.i.)	Yes - Wynants Kill Creek	Yes - Hoosic River
i.ii.	Yes	Yes
i.iii.	No	No
C.2. Adopted Land Use Plans		
a.	Yes, Yes.	Yes, Yes.
b.	Yes - Remediation Sites: 546031, NYS Heritage Areas: Mohawk Valley Heritage Corridor, Hudson-Mohawk, Federal Heritage Areas: Erie Canal National Heritage Corridor and Hudson River Valley National Heritage Area.	Yes- Remediation Sites: 546031 & 442033, NYS Heritage Areas: Mohawk Valley Heritage Corridor, Federal Heritage Areas: Erie Canal National Heritage Corridor and Hudson River Valley National Heritage Area.
c.	No	No
C.3 Zoning		
a.	Yes: R1, B3, B5.	Yes: HD, R, MD.
C.4 Existing Community Services		
a.	Lansingburgh Central School District	Mechanicville City School District, Hoosic Valley Central School District, and Lansingburgh Central School District
b	Troy Police Department	NYS Police
c	Troy Fire Department	Schaghticoke Fire Department
d	N/A	Lock 4 State Canal park
D.1. Proposed & Potential Development		
b.	Up to approximately 83 acres	Up to approximately 1,136 acres
b.b.	Up to approximately 83 acres	Up to approximately 1,136 acres
E.1. Land Uses on and Surrounding the Project Site		
a. Existing land uses	Commercial, Residential, Aquatic	Aquatic, Residential, Forest,
b. Land Use or Covertyp	(Intentionally left empty)	(Intentionally left empty)
b. (continued) Roads, buildings, and other paved or impervious surfaces	Approximately nine (9) acres; Approximately seventy five (75) acres; N/A	Approximately 110 acres; Approximately 110 acres; N/A


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b. (continued) Forested	Approximately four (4) acres; TBD Since acreage after project completion cannot be determined as this will be dependent on maintenance activity	Approximately 100 acres; TBD Since acreage after project completion cannot be determined as this will be dependent on maintenance activity
b. (continued) Meadows, grasslands or brushlands	N/A	N/A
b. (continued) Agriculture	N/A	N/A
b. (continued) Surface water features	Approximately sixty six (66) acres; TBD Since acreage after project completion cannot be determined as this will be dependent on maintenance activity	Approximately 800 acres; TBD Since acreage after project completion cannot be determined as this will be dependent on maintenance activity
b. (continued) Wetlands	Approximately four (4) acres; TBD Since acreage after project completion cannot be determined as this will be dependent on maintenance activity	Approximately 126 acres; TBD Since acreage after project completion cannot be determined as this will be dependent on maintenance activity
b. (continued) Non-vegetated	N/A	N/A
b. (continued) Other	N/A	N/A
d.	Yes	Yes
d.i.	Turnpike Elementary School / Head Start / St Mary's School	Mechanicville Senior Citizen Center, Mechanicville Family Health Center
e.	No	Yes - Lock C-1 Dam at Waterford, Lock C-2 at Mechanicville, Lock C-3 at Mechanicville, Lock C-4 Dam at Stillwater
e.i.	No	Lock C-1 Dam - Height: 24', Length 1,050', Surface Area: 400 acres, Volume Impounded: 11,600 acre-feet Lock C-2 Dam - Height: 23', Length: 963', Surface Area: 286 acres, Volume Impounded: 2,716 acre-feet Lock C-3 Dam - Height: 37', Length: 1,220', Surface Area: 260 acres, Volume Impounded: 8,785 acre-feet Lock C-4 Dam - Height: 14', Length: 1,400', Surface Area: 1,500 acres, Volume Impounded: 9,000 acre-feet
e.ii.	N/A	Dam C-1: Hazard Code A, Dam C-2: Hazard Code A, Dam C-3: Hazard Code C, Dam C-4: Hazard Code A
e.iii.	N/A	Dam C-1: 12/8/2014 Dam C-2: 11/29/1990 Dam C-3: 1/1/1990 Dam C-4: 7/5/1984 Inspection results not available at this time.
h.	Yes	Yes
h.i.	Yes- Spills Incident Database: 0007118, 0103502, 0106549, 0804557, 1604362, 1605489, 8504271, 8701926, 9003512, 0000965, 0804974, Environmental Site Remediation database- 546031	Yes- Spills Incident Database: 0206652, Environmental Site Remediation database-546031, 442033
h.ii.	No	No
h.iii.	Yes, 546031, 546018, 546053, E546053	Yes, 546031, E546053, 546003, 546033


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<p>h.iv. Land uses on and surrounding the project site</p>	<p>All spills are closed. 546031-Because of site impacts, most fish from the Hudson River downstream of Hudson Falls have elevated PCB levels, particularly near the GE Fort Edward Plant site and the GE Hudson Falls site. Fishing is restricted to catch and release from Hudson Falls to Troy.</p> <p>546018-Human exposures are not expected at this site. No hazardous materials were found there, and there are no private water supply wells on the island.</p> <p>546053-Low level residual soil contamination remains at the site below the ground surface, therefore it is not expected that people will come in contact with it unless they dig below the surface material. People are not coming into contact with the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination.</p> <p>E546053-No contaminants of concern present on the site; 20K tank, contents, and contaminated soils near tank removed and disposed of as IRMs during site assessment.</p>	<p>Spill is closed. 546031-Because of site impacts, most fish from the Hudson River downstream of Hudson Falls have elevated PCB levels, particularly near the GE Fort Edward Plant site and the GE Hudson Falls site. Fishing is restricted to catch and release from Hudson Falls to Troy.</p> <p>E546053-No contaminants of concern present on the site; 20K tank, contents, and contaminated soils near tank removed and disposed of as IRMs during site assessment.</p> <p>546003-Five separate sites where contamination has been discovered are confined within the plant property and are not accessible to the public. Groundwater sampling and vadose gas analysis have shown off-site migration of contaminants. The company has purchased a number of homes and installed sub-slab depressurization systems in homes which have been impacted or potentially impacted. Routine monitoring is being performed to reduce the potential that exposures to site related contaminants will occur.</p> <p>546033-Measures are in place to control the potential for coming in contact with subsurface soil and groundwater contamination remaining on the site. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Currently, there are no occupied buildings on the site. An evaluation of the potential for soil vapor intrusion to occur will be completed should the current use of the site change.</p>
<p>h.v.</p>	<p>No</p>	<p>No</p>
<p>E.2. Natural Resources On or Near Project Site</p>		
<p>a.</p>	<p>10" to >6.5'</p>	<p>10" to >6.5'</p>
<p>c.</p>	<p>Nassau-Manlius complex-Undulating: 0.6%, Nassau-Rock Outcrop Complex, hilly: 3.5%, Urban Land: 7.6%</p>	<p>Fluvaquents-Udifluvents complex: 6.5%, Nassau-Rock outcrop complex, rolling: 6.8%, Teel silt loam, 0-3% slopes: 3.5%</p>
<p>d.</p>	<p>> 6.5'</p>	<p>0' to 6.5'</p>
<p>e.</p>	<p>Well drained: 11.7%</p>	<p>Well Drained: 10.3%, Poorly Drained: 6.5%</p>
<p>f.</p>	<p>0-10%: 8.2%, >15%: 3.5%</p>	<p>0-10%: 10%, 10-15%: 6.8%</p>
<p>g.</p>	<p>No</p>	<p>Yes- Anthony Kill-Mechanicville</p>
<p>h. (h.i.)</p>	<p>Yes</p>	<p>Yes</p>
<p>h.ii.</p>	<p>Yes</p>	<p>Yes</p>
<p>h.iii.</p>	<p>Yes</p>	<p>Yes</p>

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h.iv.	Streams: 858-4 (C), 941-1 (A) Wetlands: Federal Wetlands L1UBHh	Streams: 941-3 (B), 941-85 (C(T)), 941-83.1 (C), 941-87 (C), 940-1 (B), 941-2 (C), 941-1 (A), 941-76 (C), 941-37 (C), 941-33 (C(T)), 941-32 (C), 941-30 (C(T)), 941-27.2 (C), 941-26 (C), 941-21 (C(T)), 941-20 (C), 941-18 (C(T)), 941-17.1 (C), 941-13 (C), Wetlands: NYSDEC Wetlands TN-101, M-105, Federal Wetlands: PSS1Fh, L1UBHh, PFO1Ch, R5UBH, R3UBH, R4SBC, PEM1Ch, L2USCh, R3UBH, PEM1C, PSS1C, PFO1Ah, PFO1A, PFO1C, PEM1A, PEM1/SS1Ch, R2USA, PFO1Eh, PUBHh
h.v.	Yes: Name - Pollutants - Uses: Upper Hudson, Main Stem - Priority Organics - Fish Consumption	Yes: Name - Pollutants - Uses: Upper Hudson, Main Stem - Priority Organics - Fish Consumption
i.	Yes	Yes
j.	Yes	Yes
k.	No	Yes
l.	Yes	Yes
l.i.	Principal Aquifer	Principal Aquifer
n.	Yes	No
n.i.	Shale Cliff and Talus Community, Vernal Pool	N/A
n.ii.	DEC Environmental Resource Mapper	N/A
n.iii.	Currently 16.48 acres, 3.66 acres	N/A
o.	Northern Long-eared Bat (no critical habitat)	Yes-Bald Eagle, Rough Pennyroyal, Davis' Sedge, Northern Long-eared Bat (no critical habitat)
p.	No	No
E.3 Designated Public Resources On or Near Project Site		
a.	No	Yes - RENS005, WASH003
b.	Yes	Yes
b.i.	Less than 1 acre	Approximately 94.9 acres
b.ii.	USGS Web Soil Survey	USGS Web Soil Survey
c.	No	No
c.i.	N/A	N/A
c.ii.	N/A	N/A
d.	No	Yes
d.i.	N/A	Agricultural District
d.ii.	N/A	Unique Character of Resources
d.iii.	N/A	Agency: Easton, Town of, date: 5-2-84
e.	Yes	Yes
e.i.	Historic Building or District	Historic Building or District
e.ii.	New York State Barge Canal Historic District, Day Peckinpaugh Canal Motorship, Waterford Village Historic District, Matton Shipyards	New York State Barge Canal Historic District, Waterford Village Historic District, Lock C-3 Mechanicville - 888 Knickerbocker Rd

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<p>e.iii.</p>	<p>New York State Barge Canal Historic District (14NR06559, USN 00104.000641): Significant to areas of engineering, transportation, maritime history and commerce, Day Pekinpaugh Canal Motorship (05NR05513): A historic canal motorship berthed at the Matton Shipyard on Peebles Island, Cohoes in Albany County, New York Waterford Village Historic District (90NR02613): It was settled in 1633 and became the first incorporated village in the state in 1794. Significant to Early Republic, Mid-19th Century, Late Victorian, Feder and Greek Revival types of architecture, Matton Shipyards (08NR05868): Significant to industry and commerce of the area.</p>	<p>New York State Barge Canal Historic District (14NR06559, USN 00104.000641): Significant to areas of engineering, transportation, maritime history and commerce, Waterford Village Historic District (90NR02613): It was settled in 1633 and became the first incorporated village in the state in 1794. Significant to Early Republic, Mid-19th Century, Late Victorian, Feder and Greek Revival types of architecture, Lock C-3 Mechanicville - 888 Knickerbocker Rd (USN 08312.000112): Including the dam, storehouse, warehouse and lockhouse, this site is significant to areas of engineering and transportation.</p>
<p>f.</p>	<p>Yes</p>	<p>Yes</p>
<p>g.</p>	<p>No</p>	<p>No</p>
<p>g.i.</p>	<p>N/A</p>	<p>N/A</p>
<p>g.ii.</p>	<p>N/A</p>	<p>N/A</p>
<p>h.</p>	<p>Yes</p>	<p>Yes</p>
<p>h.i.</p>	<p>Mohawk Towpath Byway, Lakes to Locks Passage</p>	<p>Mohawk Towpath Byway, Lakes to Locks Passage</p>
<p>h.ii.</p>	<p>National Scenic Byway, All American Road</p>	<p>National Scenic Byway, All American Road</p>
<p>h.iii.</p>	<p><1 mile, <1 mile</p>	<p><1 mile, <1 mile</p>
<p>i.</p>	<p>No</p>	<p>No</p>
<p>i.i.</p>	<p>N/A</p>	<p>N/A</p>
<p>i.ii.</p>	<p>N/A</p>	<p>N/A</p>