

617.20
Appendix B
Short Environmental Assessment Form

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information				
Name of Action or Project: Whaley Lake Dam Rehabilitation				
Project Location (describe, and attach a location map): 41.571536° , -73.657557° - Approximately 1 mile South of intersection of Rt. 292 & Rt. 55. See Fig 1				
Brief Description of Proposed Action: The Town of Pawling proposes to rehabilitate Whaley Lake Dam in Pawling NY. The existing dam is currently abandoned property with ownership unknown. Dutchess County is currently holding the parcel in rem. NY DEC Dam Safety lists the dam as Class C - High Hazard and Whaley Lake as a Large size impoundment. The dam is currently in poor shape with several significant deficiencies. Rehabilitation of the dam will consist of constructing a new concrete spillway, installing a new low-level outlet, installing a filter blanket and buttress, grading an gravel access road to the dam, and clearing overgrown vegetation and trees. The repairs will increase stability of the dam, control seepage, provide adequate hydraulic capacity to meet NY DEC Dam Safety requirements, and allow for future maintenance.				
Name of Applicant or Sponsor: Town of Pawling		Telephone: (845) 855-4464		
		E-Mail: dpkelly@bestweb.net		
Address: 160 Charles Colman Blvd.				
City/PO: Pawling		State: New York	Zip Code: 12564	
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO	YES
			<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval: NY DEC - Freshwater Wetlands, Dam and Impoundment Structures, Stream Disturbance USACOE - NWP #3 - Maintenance, no notification			NO	YES
			<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.a. Total acreage of the site of the proposed action?		_____ ~80 acres		
b. Total acreage to be physically disturbed?		_____ ~2 acres		
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		_____ N/A acres		
4. Check all land uses that occur on, adjoining and near the proposed action. <input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Residential (suburban) <input checked="" type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input checked="" type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____ <input type="checkbox"/> Parkland				

5. Is the proposed action, a. A permitted use under the zoning regulations?	NO	YES	N/A
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	NO	YES	N/A
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____ _____	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Are public transportation service(s) available at or near the site of the proposed action?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: _____ N/A	NO	YES	
	<input type="checkbox"/>	<input type="checkbox"/>	
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____ N/A	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____ N/A	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
b. Is the proposed action located in an archeological sensitive area?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____ Whaley Lake and Whaley Lake Brook ~5,500 sq. ft. of impact to lake ~10,000 sq. ft. of filling wetlands. Proposed lake water level drawdown of 5 ft. for construction will temporarily impact 52.4 acres for the project duration	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply: <input checked="" type="checkbox"/> Shoreline <input checked="" type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional <input checked="" type="checkbox"/> Wetland <input type="checkbox"/> Urban <input type="checkbox"/> Suburban			
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	NO	YES	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16. Is the project site located in the 100 year flood plain?	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
17. Will the proposed action create storm water discharge, either from point or non-point sources? If Yes, a. Will storm water discharges flow to adjacent properties? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	NO	YES	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe: _____ _____	NO	YES	
	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		

18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size: _____ Project will rehabilitate an existing dam currently impounding water. _____	NO	YES
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe: _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe: _____	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE		
Applicant/sponsor name: <u>David P. Kelly</u>		Date: <u>May 14, 2014</u>
Signature: _____		

Part 2 - Impact Assessment. The Lead Agency is responsible for the completion of Part 2. Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Will the proposed action result in a change in the use or intensity of use of land?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Will the proposed action impair the character or quality of the existing community?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Will the proposed action impact existing: a. public / private water supplies? b. public / private wastewater treatment utilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	No, or small impact may occur	Moderate to large impact may occur
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Will the proposed action create a hazard to environmental resources or human health?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Part 3 - Determination of significance. The Lead Agency is responsible for the completion of Part 3. For every question in Part 2 that was answered “moderate to large impact may occur”, or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

Proposed Activity

The Whaley Lake Dam, which impounds Whaley Lake, has numerous deficiencies. These include: a failing spillway, bulging embankment, sinkholes, seepage, insufficient spillway capacity, debris, inoperable low-level outlet, trees growing at the toe of the dam and poor vegetative cover. The proposed repair work includes removing the existing spillway and a portion of the dam embankment to construct a new arched concrete spillway, installing a new 48" low-level outlet pipe and drawdown chamber, installing a filter blanket and riprap buttress, and miscellaneous site improvements. The project will require removal of vegetation on and around the dam and drawdown of Whaley Lake in order to access the dam and make the necessary repairs. Drawdown of approximately 5 feet from normal watersurface elevation is required to make repairs. This is expected to temporarily impact an area of approximately 52.4 acres. Water depth is expected to be approximately 10 feet near the dam and 25 feet at the south end of the Lake during the drawdown period. Approximately 10,000 square feet of wetland impact will occur as a result of necessary work upstream and downstream of the dam and in the construction of an access road. An additional 4,600 square feet of waterway impact will occur as a result of spillway construction.

- Using the information in Part 1, we had answered questions 1-11 on Part 2.
- Using the Part 2 tools, we have determined that there would be no impact to environmental resources in all questions, except for Question 9.
- Because "moderate or large impact" was checked off in Question 9, further evaluation in Part 3 was required.

Determination of Significance

The project has been evaluated for magnitude of impact, duration, likelihood, scale and context of potential adverse conditions. The impacts will be moderate in magnitude because the area localized around Whaley Lake will be affected, but once the water surface elevation is allowed to return to normal, much of the area disturbed by the drawdown will be returned to its prior condition. The drawdown period is expected to be 9-12 months in duration. Given the nature of the project, permanent impacts to wetlands and waterways will occur.

The Project has avoided significant impacts to natural resource areas through design of the spillway and buttress, utilizing phased construction, and properly designed erosion and sediment control measures. The arch shape of the spillway in conjunction with integrated settling basin, both primarily within the existing dam footprint, minimize impacts to Whaley Lake and the downstream wetland. Integration of the seepage control blanket into the stability buttress also minimize total disturbance to the downstream wetland. The Project is proposing phased construction and cofferdams both upstream and downstream of the dam to allow for safe water control with to minimize the drawdown. The proposed erosion and sediment control measures will prevent sediment deposition into natural resource areas.

Two mitigation projects located near the dam and within the East of the Hudson Watershed are proposed for the unavoidable wetland impacts.

<input type="checkbox"/>	Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.
<input checked="" type="checkbox"/>	Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.
_____	_____
Name of Lead Agency	Date
_____	_____
Print or Type Name of Responsible Officer in Lead Agency	Title of Responsible Officer
_____	_____
Signature of Responsible Officer in Lead Agency	Signature of Preparer (if different from Responsible Officer)

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