

## APPENDIX A

### INSPECTION REPORT FORM WESTCHESTER COUNTY DEPARTMENT OF PARKS, RECREATION, AND CONSERVATION (DPRC) WOODLANDS LAKE DAM

INSPECTION COMPLETED BY: JF DATE OF INSPECTION: 9/9/21

GDAM NAME: Woodlands Lake Dam

COUNTY: Westchester

NYSDEC # 214-0235

OWNER: Westchester County DPRC

MAINTENANCE: Westchester County DPRC

WATER LEVEL RELATIVE  
TO SPILLWAY AT TIME OF  
INSPECTION Level normal / high / steady rapid flow

DEFINITIONS: *Monitor:* No action necessary yet; continue to observe condition.  
*Investigate:* Needs attention; notify DRPC Director of Maintenance.  
*Repair:* Needs to be repaired; notify DRPC Director of Maintenance.

**WEATHER AND ACCESS ON DAY OF INSPECTION** 66/ cloudy /showers

#### EQUIPMENT CHECKLIST

Inspector should have access to the following equipment to make detailed and meaningful observations:

- ☐ **Maintenance Report Form.**
- ☐ **Clipboard and pencil.**
- ☐ **Camera** – Can be used to document observed conditions and compare past and present conditions.
- ☐ **Hand Level** - May be needed to verify slopes.
- ☐ **Measuring Tape** - Provides accurate measurements so that meaningful comparisons can be made of movements.
- ☐ **Shovel** – Useful in removing debris and investigating wet areas, care must be taken not to cause unnecessary damage.



## DAM STRUCTURE

AREA INSPECTED	ITEM NO.	CONDITION	OBSERVATIONS	MONITOR	INVESTIGATE	REPAIR
Crest	1	Surface conditions	Deteriorated walk	x		
	2	Horizontal alignment	ok	x		
	3	Vertical alignment	ok	x		
	4	Unusual movements	none	x		
Upstream face	5	Surface condition/ misaligned stones	ok	x		
	6	Condition of joints	weathered	x		
	7	Unusual movement	none	x		
	8	Abutment-dam contacts	ok	x		
Downstream face	9	Surface condition/misaligned stones	Unable to access	x		
	10	Condition of joints	“	x		
	11	Unusual movement	“	x		
	12	Abutment-dam contacts	ok	x		
	13	Seepage	some	x		



## SPILLWAY AND OUTLET WORKS



AREA INSPECTED	ITEM NO.	CONDITION	OBSERVATIONS	MONITOR	INVESTIGATE	REPAIR
Spillway	14	Sidewalls	ok	x		
	15	Channel floor	ok	x		
	16	Unusual movement	none	x		
	17	Approach area	ok	x		
	18	Spillway obstructions	debris /limbs	x		
	19	Discharge channel <sup>(1)</sup>	ok	x		

- (1) Check that downstream obstructions or vegetation will not cause a backwater effect, causing excess pooling of water at the downstream face of the dam.

## RESERVOIR AREA AND MISCELLANEOUS

AREA INSPECTED	ITEM NO.	CONDITION	OBSERVATIONS	MONITOR	INVESTIGATE	REPAIR
Reservoir area	20	Whirlpooling/vortexing in reservoir	none	x		
	21	Sedimentation	none	x		
	22	Slope stability	n/a	x		
	23	Sinkholes/slides/movement	None seen	x		
	24	Unwanted growth (terrestrial or aquatic)	Some on banks	x		
Downstream area	25	Abutment leakage	none	x		
	26	Foundation seepage	some	x		
	27	Slide, slough, scarp	ok	x		
	28	Boils	none seen	x		
	29	Wet areas/seepage (foundation/abutments)	none	x		
	30	Downstream waterway	ok	x		
Miscellaneous	31	Fencing & signage	old/worn	x		
	32	Signs of vandalism	none	x		
	33	Misaligned stone at base of dam, right of spillway	____inches horizontal misalignment	x		
	34	Vegetation <sup>(1)</sup>	some	x		

- (1) Vegetation that may cause damage to dam or that may obscure inspection of the dam should be monitored and controlled. Woody vegetation should not be present within 10 feet of the dam.



**SUMMARY OF MAINTENANCE AND REPAIR ACTIVITIES PERFORMED SINCE  
LAST INSPECTION**

(List date, maintenance activity performed, and whether it has been successful to date. Areas should receive enhanced monitoring for at least 6 months following completion of repair activities.)

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**ADDITIONAL COMMENTS** (Refer to Item No. if applicable)



(Include detailed observations for items requiring enhanced observation, such as areas of recent construction)

## DEBRIS AT SPILLWAY



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## PHOTOS

(Annually photograph conditions at the dam. Take additional photos as necessary to highlight specific concerns. Attach photos to the corresponding inspection report.)

