

Leland Dam

Draft 1-10-24

Normal Dam Operation & Settings

	Apr 15-Nov. 15	Nov. 16-Apr. 14	Depending on Ice Out
Court Ordered elevations at Dam	589.21	588.21	
Maximum Fluctuation	"+0", "-2"	"+0", "-2"	

Allowable Operation Conditions

589.04	to	589.21
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588.04	to	588.21
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Normal Operation Elevation	589.1	588.1
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Dam to operate in "Automatic" under normal climatic conditions

Climatic Condition	Events	Response	Return to Normal Ops	Notes
Normal	<1" rain per 24 hours < 14 Days w/o rainfall	operate Auto	Lake Level @ 589.10	Check Dam daily
Rainfall Event Snowmelt (minor)	1"-3.2" rain per 24 hours 1" to 10 year storm	Operate Auto	Lake Level @ 589.10	Elevation at Dam to 588.5 to 588.6 Check conditions every 12 Hours Adjust Dam once Narrows level drops
Rainfall Event Snowmelt (Major)	3.2" to 4.5" per 24 hours 10-100 Year event	Major Drawdown (Manual Ops)	Lake Level @ 589.10	Elevation at Dam to 588.5 to 588.6 Check conditions every 12 Hours Adjust Dam once Narrows level drops
Rainfall Event (Historic)	>4.5" per 24 hours	Stop Log removal not required	Lake Level @ 589.10	Elevation at Dam to 588.5 to 588.6 Check conditions every 12 Hours Adjust Dam once Narrows level drops
Power Outage	Same as above Prepare to use generator if lake levels warrant. Shut off valve to cylinders, switch power switch to off. If adjustment to gates is required, bring generator to dam area and connect.	Same as above	same as above	

Seasonal Operation

Winter Operations	Nov. 15th (Pre-ice)	588.1
Summer	April 15th, (or after ice is gone)	589.1

Notes:

- Exercise generator at least twice per year.
- Follow weather forecast during rainfall or drought events.
- Follow chain of command for operations