STANDARD OPERATING PROCEDURE (SOP)
FLOOD CONTROL REGULATION
COLEBROOK RIVER DAM

PHASE	24-Hour Rainfall ON: SNOW COVERED, WET, OR FROZEN GROUND	24-Hour Rainfall ON: DRY GROUND	COLEBROOK RIVER DAM: RISING POOL STAGE (NGVD)	RISING RIVER INDEX STATIONS (EXISTING OR EXPECTED STAGE IN FEET): WEST BRANCH FARMINGTON NEW BOSTON 92 mi²	STILL RIVER ROBERTS-VILLE 85 mi²	FARMINGTON RIVER UNION-VILLE 378 mi²	FARMINGTON RIVER SIMSBURY 497 mi²	CONNECTICUT RIVER THOMPSON-VILLE 9,661 mi²	CONNECTICUT RIVER HARTFORD 10,480 mi²	REGULATION INSTRUCTIONS: COLEBROOK RIVER DAM
INITIAL REGULATION	2.0″ OR AS INSTRUCTED	3.0″ OR AS INSTRUCTED	As Instructed	5.5	4.6	9.0	Season: Growing 6.0, Non-grow 6.0	4.5	18.0	DISCHARGE REDUCED AS PER RCC
II- CONTINUATION OF REGULATION	3.0″ OR AS INSTRUCTED	4.0″ OR AS INSTRUCTED	As Instructed	5.9	5.4	12.0	Season: Growing 10.0, Non-grow 12.0	9.2	20.0	RESTRICT OUTFLOW TO MINIMUM RELEASES 50 CFS
III-EMPTYING THE RESERVOIR	STORM HAS ABATED		APPROXIMATE NON-DAMAGING DOWNSTREAM CHANNEL CAPACITY AT COLEBROOK RIVER DAM: 3000 CFS							

EMERGENCY OPERATION PROCEDURE (EOP) DURING COMMUNICATION FAILURE WITH RCC

Go to Gate Settings/Releases as follows for the following conditions:

		Minimum Release
24-Hour Rainfall	3.0″	50 cfs
Rising Stage at		
Robertsville	4.6′	50 cfs
Unionville	9.0′	50 cfs
Simsbury	6.0′	50 cfs
Thompsonville	4.5′	50 cfs
Hartford	18.0′	50 cfs

NOTES:

1. All releases shall be coordinated with Hartford MDC through downstream Goodwin Hydropower Dam
2. Emptying the reservoir shall not be initiated until contact has been established with RCC.
3. Rate of increase of discharge should not exceed 300 cfs/hour.
4. Maximum rate of reservoir drawdown per 24-hours should not exceed ten feet.
5. Beech Hill road should be barricaded when a rising pool is expected to exceed 718 ft. NGVD.
6. Old Connecticut Route 8 should be barricaded when a rising pool is expected to exceed 740 ft. NGVD.
7. Maximum Non-Damaging Channel Capacities at Controlled River Index Stations:

		River Stage	Approximate Flow
Farmington River:	Unionville	12.0′	9,100 cfs
	Simsbury	12.0′	9,250 cfs (non-grow season)
		10.0′	5,600 cfs (growing season)
Connecticut River:	Thompsonville	9.2′	157,000 cfs
	Hartford	22.0′	112,500 cfs

DUTIES DURING EACH PHASE

FLOOD CONTROL PROJECT MANAGER

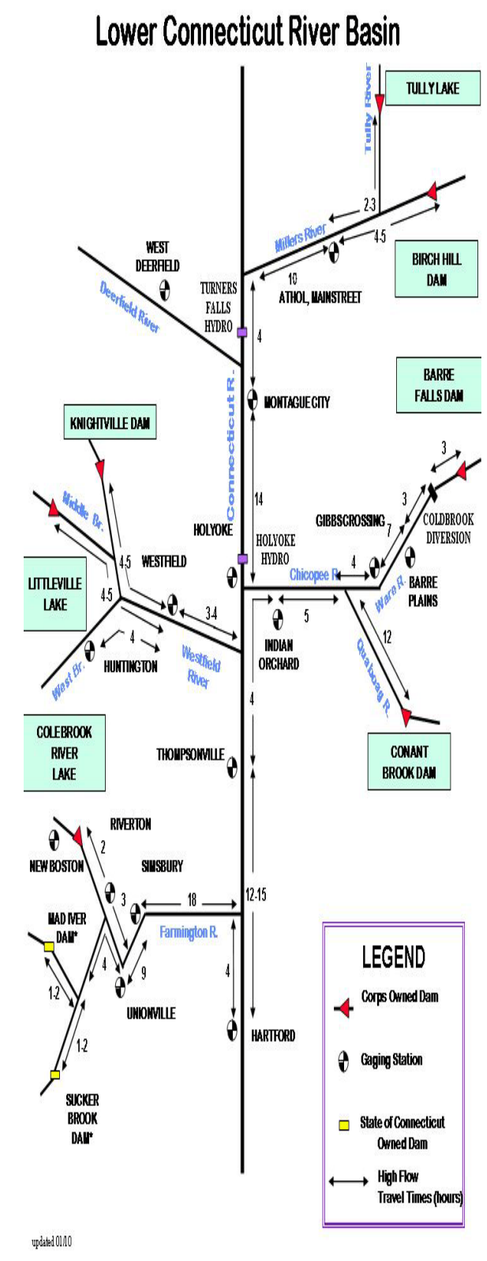
PHASE I
1. Collect and report rainfall and stage data to RCC.
2. Operate according to instructions from RCC.

PHASE II
1. Operate according to instructions from RCC.
2. Note any unusual conditions at dam, in downstream channels or at index stations.

PHASE III
1. Check downstream channel and damage areas.
2. Report to RCC for further instructions.

PROJECT REGULATOR

PHASE I
1. Compile data.
2. Plan and coordinate next instruction to Project Manager.
3. Restrict outflow to maintain safe downstream channel capacities.

PHASE II
1. Continue regulation instructions to Project Manager.

PHASE III
1. Collect data from Project Manager.
2. Check downstream conditions for allowable releases.
3. Continue regulation instructions to Project Manager.