STANDARD OPERATING PROCEDURE (SOP)
FLOOD CONTROL REGULATION
BUFFUMVILLE LAKE AND HODGES VILLAGE DAM

PHASE	24-HOUR RAINFALL ON		RISING POOL STAGE (FEET)		RIVER INDEX STATIONS (STAGE IN FEET)			REGULATION INSTRUCTIONS	
					FRENCH RIVER	QUINEBAUG RIVER		GATE SETTINGS	
	SNOW COVERED, WET OR FROZEN GROUND	DRY GROUND	BUFFUMVILLE LAKE	HODGES VILLAGE DAM	WEBSTER 85.3 SQ MI	PUTNAM 331 SQ MI	JEWETT CITY 715 SQ MI	BUFFUMVILLE LAKE	HODGES VILLAGE DAM
I-APPRAISAL FIRST ALERT	1.0″	1.0″	12.0	5.0	6.0 (360 CFS)	----	----	NORMAL SETTINGS	
SECOND ALERT	1.5″	2.0″	As instructed		As instructed	----	----	0-2′-0.1′	2′-2′
INITIAL REGULATION	2.0″	3.0″ (As instructed)	13.0	6.0	7.0 (610 CFS)	7.5 (3,100 CFS)	14.0 (8,750 CFS)	RESTRICT OUTFLOW 0-1′-0.1′	1′-1′
II-CONTINUATION OF REGULATION	3.0″ Or (As instructed)	4.0″	As instructed		7.5 (740 CFS)	8.5 (4,000 CFS)	15.0 (10,240 CFS)	RESTRICT OUTFLOW TO MINIMUM (15 CFS) 0-0.5′-0	(15 CFS) 0-0.5′
III-EMPTYING THE RESERVOIR	STORM HAS ABATED		**THE NORMAL MAXIMUM RELEASE RATES ARE AS FOLLOWS:** **BUFFUMVILLE LAKE 350 CFS** **HODGES VILLAGE DAM 525 CFS**						

EMERGENCY OPERATION PROCEDURE (EOP) DURING COMMUNICATION FAILURE WITH RRT

Gate operation for the following conditions:

	Partial closure	Minimum Opening
BUFFUMVILLE HODGES VILLAGE	(0-1′-0.1′) (1′-1′)	(0-0.5′-0) (0-0.5′)
Rainfall 24-hour	2.0″	3.0″
Rising Stage French River at Webster	5.5′	6.5′

NOTES:

1. Emptying the reservoir shall not be initiated until contact has been established with RRT.
2. Rate of increase of discharge should not exceed 100 CFS per hour to 300 CFS, then 25 CFS per hour to 350 CFS at Buffumville. The rate of discharge at Hodges Village shall not exceed 100 CFS per hour up to 400 CFS, then 25 CFS per hour to 525 CFS.
3. Maximum rate of reservoir drawdown should not exceed 2 feet in 24 hours at Buffumville or 5 feet in 24 hours at Hodges Village Dam.
4. Refer to Plates B-4 and B-5 for road closures.
5. Refer to section B-05 paragraph (e) for snowmelt regulation.
6. Refer to section B-05 paragraph (f) for ice jam flooding.
7. Refer to section B-05 for regulation during spillway discharge.
8. Maximum Non-Damaging Channel Capacities at river index stations:
   Webster: 8.4 feet = 1,010 CFS
   Putnam: 9.5 feet = 5,000 CFS
   Jewett City: 17.5 feet = 14,400 CFS

DUTIES DURING EACH PHASE

FLOOD CONTROL PROJECT MANAGER

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

PHASE II
1. Operate according to instructions from RRT.
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 RRT for further instructions.

PROJECT REGULATOR

PHASE I
1. Compile data.
2. Plan and coordinate next instructions 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.