

STANDARD OPERATING PROCEDURE (SOP)
FLOOD CONTROL REGULATION
NORTH SPRINGFIELD DAM AND RESERVOIR

PHASE	24-HOUR RAINFALL ON		NORTH SPRINGFIELD RESERVOIR	RIVER INDEX STATIONS (STAGE IN FEET)		REGULATION INSTRUCTIONS
	SNOW COVERED, WET OR FROZEN GROUND	DRY GROUND		CONNECTICUT RIVER AT		
				NORTH WALPOLE 5,493 SQ MI	MONTAGUE CITY 7,865 SQ MI	
I-APPRAISAL						
FIRST ALERT	1.0"	1.0"	18'			NORMAL GATE SETTING 0.1'-6.0'-0.1'
SECOND ALERT	1.5"	2.0"	(Or as instructed)	24.0'	----	
INITIAL REGULATION	2.0"	3.0"	As instructed	24.0'	----	RESTRICT OUTFLOW
II-CONTINUATION OF REGULATION	3.0"	4.0"	As instructed	26.0'	25.0'	GATE SETTING 0.1'-0.0'-0.1'

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.

III-EMPTYING THE RESERVOIR

STORM HAS ABATED

THE NORMAL MAXIMUM RELEASE RATE FROM NORTH SPRINGFIELD DAM IS 3,500 CFS.

PROJECT REGULATOR

EMERGENCY OPERATION PROCEDURE
(During Communication Failure With RRT)

Go to minimum outflow as specified in the Outflow Guidance for the following conditions:

24-hour Rainfall	2.5"
North Walpole Stage	26.0' and rising
Montague City Stage	25.0' and rising

NOTES:

- Emptying the reservoir shall not be initiated until contact has been established with RRT.
- Ramping of reservoir outflows should be in accordance with outflow guidance.
- Maximum rate of reservoir drawdown should not exceed 10 feet in 24 hours.
- Mill Pond Road will be inundated at a stage of 140 feet. Local officials will be notified when barricades are required (see paragraph 24b).
- Non damaging channel capacities for the above river index stations are as follows:
Connecticut River @ North Walpole: 30.0'
Connecticut River @ Montague City: 30.0'
- The west access road should be closed at reservoir stage of 20.0'.
- The east access road and boat ramp should be closed at a reservoir stage of 30.0'.

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.

