

EMERGENCY ACTION PLAN (EAP)

FOR

# HALEY POND DAM

MAINE EMERGENCY MANAGEMENT AGENCY (MEMA) #: 116

UNITED STATES ARMY CORP. OF ENGINEERS (NID) #: ME0042

LOCATION: RANGELEY, FRANKLIN COUNTY, MAINE

OWNED BY: TOWN OF RANGELEY, MAINE

UPDATED: AUGUST, 2015

## TABLE OF CONTENTS

I. NOTIFICATION OF FLOW CHART.....	3
EAP CALL LIST.....	4
II. PURPOSE & DISTRIBUTION.....	5
III. PROJECT DESCRIPTION & IMPACT / FLOOD PLAIN.....	6
IV. EMERGENCY CONDITIONS.....	7
V. ACTIVATION LEVELS.....	8-9
VI. TERMINATION.....	10
VII. EAP ANNUAL REVIEW.....	10
VIII. INUNDATION MAP.....	11
IX. TESTING.....	12
X. EAP TEST NOTIFICATION FORM.....	13
XI. EVACUATION PLAN.....	14

# Haley Pond Dam

## Failure Notification Flowchart

**OBSERVER REPORTS**

**MESSAGE:**

Hello. This is \_\_\_\_\_ and this is an emergency.

The Haley Pond Dam has failed/is failing.

Please activate your Alert/Notification List and EAP procedures.

**THIS IS NOT A DRILL**

**DISPATCH**  
9-1-1

911 DISPATCH

FRANKLIN COUNTY RCC  
778-6140

**LOCAL / COUNTY LAW ENFORCEMENT**

**RANGELEY PD**  
*(DENNIS LEHEY)*  
207-864-3579

**FRANKLIN CTY. SHERIFF**  
207-778-2680

**MAINE STATE POLICE AUGUSTA**  
1-800-452-4664

**DAM OPERATOR/ OWNER**

**TOWN OF RANGELEY**  
207-864-3326

**AFTER HOURS:**  
*Keith Savage*  
207-838-8993

**LOCAL EMERGENCY**

**FIRE/RESCUE**  
*(TIM PELLERIN)*  
864-3800

**RANGELEY EMERGENCY MANAGEMENT DIRECTOR**  
207-779-7290  
*(Tim's Cell #)*

**COUNTY EMA**

**FRANKLIN COUNTY EMERGENCY MANAGEMENT**  
*(TIM HARDY)*  
207-778-5892

**DOT**  
*(if state property is involved)*

**MAINE DEPARTMENT OF TRANSPORTATION**  
207-624-3339

**NATIONAL WEATHER SERVICE**

**NATIONAL WEATHER SERVICE GRAY**  
207-688-3216

**TRAFFIC CONTROL**

**RANGELEY POLICE DEPT.**  
*(DENNIS LEHEY)*  
207-864-3579

**EVACUEES**

SEE EMERGENCY EVACUEES CALL LIST

**MEMA**

**MAINE EMERGENCY MANAGEMENT**  
*Tony Fletcher*  
207-624-4400

# Haley Pond Dam

## *Emergency Action Plan*

### Call List

<b>37/1</b>	<b>Bruce &amp; Claudia Garner</b>	<b>207-864-2734</b>
<b>37/2</b>	<b>Sargent Appraisal Service</b>	<b>207-864-5816</b>
<b>37/3</b>	<b>Westly A. Jr. &amp; Diana L. Miller</b>	<b>207-864-2940</b>
<b>37/3a</b>	<b>George G. &amp; Mary Ellen Long</b>	<b>207-864-5434</b>
<b>37/4</b>	<b>Sargent Appraisal Service</b>	<b>207-864-5816</b>
<b>37/5</b>	<b>Rangeley Realty Trust</b>	<b>407-257-8429</b>
<b>37/6</b>	<b>Van K &amp; Associates Inc.</b>	<b>207-864-5298</b>
<b>37/7</b>	<b>Kemankeag Lodge Hall</b>	<b>207-864-2143</b>
<b>37/8</b>	<b>Nancy Morton</b>	<b>207-864-3772</b>
<b>*—37/74</b>	<b>Brian O. Ellis</b>	<b>207-864-3733</b>
<b>37/75</b>	<b>Marle Dexter</b>	<b>207-864-2870</b>
<b>37/76</b>	<b>Haley Pond Corp.</b>	<b>207-864-2771</b>
<b>37/78</b>	<b>Town of Rangeley (park)</b>	<b>207-864-3326</b>
<b>37/103</b>	<b>Robert W. Wentworth</b>	<b>207-864-3958</b>
<b>37/104</b>	<b>Patrica Dearborn</b>	<b>207-864-7888</b>
<b>37/105</b>	<b>Roger O. Page</b>	<b>207-864-3781</b>
<b>37/106</b>	<b>Barry M. &amp; Deborah Libby</b>	<b>207-864-2610</b>
<b>37/107</b>	<b>Allison Fraser</b>	<b>207-864-5894</b>
<b>37/108</b>	<b>City Cove Realty</b>	<b>207-864-2500</b>
<b>37/109</b>	<b>Travis Ferland</b>	<b>207-864-3341</b>
<b>37/110</b>	<b>Misty Moonbeam, Inc.</b>	<b>207-864-3000</b>
<b>37/111</b>	<b>Barbara Baysinger</b>	<b>207-864-9710</b>
<b>37/112</b>	<b>Paul Auger</b>	<b>207-864-5376</b>
<b>37/113</b>	<b>Christie L. Campbell</b>	<b>207-793-4362</b>



## II. PURPOSE & DISTRIBUTION

### I. PURPOSE

The sudden release of water stored behind the Haley Pond dam is a potential hazard for downstream inhabitants and property. To minimize the chances for loss of life and damage to property it is important to respond quickly to a potentially hazardous situation and to provide a coordinated effort that clearly assigns major areas of responsibility.

The first few minutes following an actual or impending failure often makes the difference between disjointed and ineffective actions and a coordinated and effective response.

This plan is intended to outline a coordinated and effective emergency response. It is essential that the proper organizations and agencies be notified on a timely basis so that properly trained people can perform the functions they are qualified to do. Local responders have been involved in the development of this plan, and it is exercised periodically.

### 2. DISTRIBUTION

- a. The Notification Flow Chart must be prominently posted at the dam site to facilitate use by observers equipped with cellular telephones or radios.
- b. The Notification Flow Chart must be prominently posted within the first downstream inhabitant, structure, or facility equipped with a telephone and (owner).
- c. This Emergency Action Plan will be distributed to each of the following persons or agencies as a minimum:
  1. Dam Operator - Town of Rangeley Maine - 207.864.3326
  2. 911 Dispatch – Franklin County 911 – 207.778.6140
  3. Fire – Local ES (incident commander) – Tim Pellerin, Fire Chief – 207.864.3800
  4. Town - Town of Rangeley Maine - 207.864.3326
  5. State Police Dispatch
  6. County
  7. MEMA
  8. NWS
  9. Others as determined

### III. PROJECT DESCRIPTION & IMPACT

A. Identification: Haley Pond Dam, MEMA #116, NID #ME0042

B. Impoundment: 170 Acres

C. Physical Properties: (See Map)

D. Downstream Characteristics: (See Map)

#### IMPACTED AEA:

Downstream Roads, Bridges, Houses and Buildings: (See List)

## IV. EMERGENCY CONDITIONS

An emergency means breaches and all conditions leading to or causing a breach, overtopping and any other condition in a dam and its appurtenant structures that may be construed as unsafe or threatening to life and property. The prominent causes of dam failure emergencies include: Earthquake, Landslide – generated wave, Extreme storm, Piping, Equipment malfunction, Structural damage and / or deterioration, Foundation failure, and Sabotage.

The causes of emergencies may not all be pertinent to a given structure. The type of dam, topography, geology, design features, and age are all important considerations that need evaluation relative to the possibility and cause of failure.

At least two types of dam failures are possible that could trigger an emergency condition. Normal and Adverse Conditions.

A Normal Conditions dam failure could occur with the reservoir at normal full pond elevation and with a normal river flow prevailing. This type of failure could occur with very little warning, and for this reason, is generally considered to have the most potential for loss of human life.

The second type of dam failure could occur during a flood flow condition that is commonly referred to as the Adverse Conditions. The Adverse Conditions is the flood that may be expected from the most severe combination of critical meteorological and hydrologic conditions that are reasonably possible in the drainage basin. The PMF (Probably Maximum Flood) is the upper limit for determining the inflow design flood (IDF). The IDF is the flood condition above which failure of an impounding structure has an insignificant effect on downstream flooding. A failure at the IDF is considered to show the upper limit of inundation.

## V. EAP ACTIVATION

### “Activation Levels” for State Regulated Dams

**EAP Activation – Level 1 (READY)** – EAP agreed and functional. The EAP will always be activated to this level 1. Owner must test communication on an ongoing basis. Any changes to the document must be made immediately. **(Use EAP Agreement Form on the next page).**

**EAP Activation – Level 2 (SET)** - Any developing situation which threatens the integrity of the dam. Level 2 activation must place the dam under watch (surveillance). The tipping point to a Level 2 activation of the EAP should be anything, which in the opinion of the observer, which could lead to dam failure.

Triggers – gate failure, blocked spillway (debris or ice), mis-operation developing defect, flood warning, continuing heavy rain an earthquake, ground movement or developing seepage.

**EAP Activation – Level 3 (GO)** – This is when a dam emergency is declared and people are evacuated. Here the dam must be failing or about to fail. The incident can be a development from Level 2, the dam actually breaching or overtopping.

LEVEL 1 (Ready) – EAP agreed and functional (EAP Agreement Form)

- 1) Inundation Map on page 10
- 2) Situations which would trigger emergency actions

LEVEL 2

- a. Ice Jam at outlet dam causing a back-up of water which would start to flood locations at Map 37, lots 74, 75, 76, 78, 103, 104, 105, 106, 107, 08, 109, 110, 111, 112 and 113.

Action to take: Call Dam Operator, Local Emergency Traffic Control and all the owners listed on the EAP list starting with the 37/74 (Brian Ellis) to each owner to the bottom of the list.

LEVEL 3

- b. Haley Pond Dam has failed / is failing – heavy rains, hurricane, tornado. Starting to flood the area shown on the inundation map.

Action to take: Call 911 Dispatch to activate the Haley Pond Dam Failure Notification list. Please read the message to the operator on the Notification Flowchart. Also call all on the Emergency Action Plan Call List.



# EAP ACTIVATION – LEVEL 1

# EAP AGREEMENT FORM

By my signature, I acknowledge that I, or my representative, have reviewed this plan and concur with the tasks and responsibilities assigned herein for me and my organization.

1. \_\_\_\_\_  
Signature Organization Date

Printed Name and Title: *Fire Chief / EMA Director*

2. \_\_\_\_\_  
Signature Organization Date

Printed Name and Title: *Public Works Director*

3. \_\_\_\_\_  
Signature Organization Date

Printed Name and Title: *Police Chief*

4. \_\_\_\_\_  
Signature Organization Date

Printed Name and Title: *Franklin County EMA*

5. \_\_\_\_\_  
Signature Organization Date

Printed Name and Title: *Sewer Department*

6. \_\_\_\_\_  
Signature Organization Date

Printed Name and Title: *State D.O.T.*

7. \_\_\_\_\_  
Signature Organization Date

Printed Name and Title: *U.S. Border Patrol*

8. \_\_\_\_\_  
Signature Organization Date

## VI. TERMINATION

Whenever the EAP has been activated, an emergency level has been declared, all EAP actions have been completed, and the emergency is over, the EAP operations must eventually be terminated and follow-up procedures completed.

### Termination Responsibilities

The town, city or county official in charge is responsible for terminating EAP operations and relaying this decision to the owner. It is then the responsibility of each person to notify the same group of contacts that he or she notified during the original even notification process to inform those people that the event has been terminated.

Prior to termination the owner should inspect the dam (in coordination with a professional engineer) to determine whether any damage has occurred that could potentially result in loss of life, injury, or property damage. If it is determined that conditions do not pose a threat to people or property, the owner's engineer may advise the town, city or county official to terminate EAP operations as described above.

The owner shall document the emergency event and assure all actions were taken. The owner shall provide documentation to the Maine Emergency Management Agency.

## VII. MAINTENANCE – EAP REVIEW AND REVISION

### EAP Annual Review

The owner will review and, if necessary, update the EAP at least once each year.. The EAP annual review will include the following:

1. Calling all contacts on the notification flowchart in the EAP to verify that the phone numbers and persons in the specified positions are current, the EAP will be revised if any of the contacts have changed.
2. Contacting the local law enforcement agency to verify the phone number and persons in the specified positions. In addition, the owner will ask if the person contacted knows where the EAP is kept and if responsibilities as described in the EAP are understood.
3. Call the locally available resources to verify that the phone numbers, addresses and services are current.

## VIII. INUNDATION MAP



- 1) The NAMES of roads, rivers and landmarks. Ensure useful roads are connected on the map.
- 2) To complete the map, the dam owner must study the impact of a dam breach and include separate flood lines for the "sunny day breach" and probably maximum flood (PMF) breach. The flood lines need to be computed and drawn on the map by an engineer qualified in dam breach studies.

**Note:** If a dam owner lacks the financial resources to employ a qualified engineer, and the flood zone has not been calculated and plotted on the map, at least show all buildings along the river bank for at least 2 miles downstream. Also, show all affected infrastructure such as bridges, electrical installations, pipelines, etc. in low lying areas including all houses.

**\*\*\*The inundation area should be walked and discussed by all potential players prior to generation of the map, as well as after.**

## IX. TESTING

Once a year for significant and high hazard dams the owner shall conduct or arrange to have conducted a test of the emergency notification procedures.

The owner or designee will initiate the test by calling 9-1-1, and indicating **“This is a test of the Emergency Action Plan for Haley Dam in Rangeley, Maine.”**

Each person responsible for making calls, as indicated on the Notification Flowchart, will make contacts as indicated, stressing that this is a test of the procedures.

Report results with the form on the next page.

**EAP TEST NOTIFICATION FORM**

**(Use of this form is optional, you may alternately summarize the results in a note to the Maine Emergency Management Agency Dam Safety unit).**

I conducted a test of the EAP for Haley Dam, in Rangeley, Maine on \_\_\_\_\_.

Check the line that applies:

\_\_\_\_\_ All contacts were made in accordance with the most recent flowchart.

\_\_\_\_\_ Some contacts were not made, but all participants are aware of their role in the plan and have a copy of the EAP.

\_\_\_\_\_ Other

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signed: \_\_\_\_\_

Return to:     Dam Safety Administrator / EAP Coordinator  
                  Maine Emergency Management Agency  
                  72 State House Station  
                  Augusta, ME 04333

## XI. EVACUATION PLAN

- 1) Possible Road Closures – Call Public Works
  - b. Main Street
  - c. Pond Street
  - d. Richardson Street
  - e. Lakehouse Road

LEVEL 1 (Ready) – EAP agreed to a operational plan, meet with the main participants to brief them to the details of the EAP.

LEVEL 2 (Ice jam at the dam) – Call Dam Operator, local emergency traffic control, the Rangeley police officer on duty and call all people on the call list, starting with map #37, lots #74 to the bottom of the list. People should be advised to go to the Town Office by their own means of transportation. Anyone without transportation should advise the person who calls that they will need a ride.

LEVEL 3 – If dam fails, call 911 Dispatch and also call every number on the EAP call list. Advise to come to the Rangeley Town Office. Please note anyone who is not contacted. Leave a message (if the contact has a recorder) that they should evacuate to the Town Office.