

EXECUTIVE SUMMARY

At the request of NYCDEP, the following executive summary presents the general responsibilities of the NYCDEP West-of-Hudson (WOH) Division during an emergency situation at Gilboa Dam / Schoharie Reservoir which has or could potentially lead to a sudden, uncontrolled release of water. The key operational, governmental, and public safety personnel to be notified in the event of an emergency situation are also summarized.

The following executive summary does not include the complete duties and responsibilities of the NYCDEP, as owner of Gilboa Dam. The Emergency Action Plan (EAP), which follows this executive summary: (1) identifies potential emergency conditions at a dam and specifies preplanned actions to be followed to minimize property damage and loss of life; (2) specifies recommended actions the NYCDEP should take to moderate or alleviate the problems at the dam; (3) contains procedures and information to assist the NYCDEP in issuing early warning and notification messages to responsible downstream emergency management authorities; (4) contains inundation maps to show emergency management authorities critical areas for action in case of an emergency.

GENERAL RESPONSIBILITIES OF NYCDEP WEST-OF-HUDSON DIVISION DURING AN EMERGENCY SITUATION AT GILBOA DAM

As owner, the NYCDEP has overall responsibility for care and maintenance of the Gilboa Dam. The complete duties and responsibilities of the NYCDEP are provided in Section 2.0. In case of an emergency situation at the dam, the following duties and responsibilities are applicable:

Pre-Impact (Type B: A potentially hazardous situation at the dam is developing)

- Initiate Notification Flowchart Procedures by contacting the WOH Control Center Operator, and other entities, as indicated on Figure 1-1.
- Notify NYCDEP WOH Director of Operations of the emergency situation.
- Activate NYCDEP Emergency Operation Center (EOC) at WOH Control Center in Grahamsville.
- Mobilize WOH Division (Ashokan/Schoharie Section) staff to the affected area to institute emergency repair procedures (if time and safety considerations permit).
- Contact East-of-Hudson District for initiation of emergency operations of the water distribution system.
- Contact NYPA staff at Blenheim-Gilboa Power Project to warn them of potential emergency.
- Contact geotechnical engineering consultant for repair guidance.

- Coordinate with area contractors to mobilize resources (i.e. equipment, materials, and manpower) for emergency repair, as necessary.
- Provide periodic situation reports/emergency messages concerning ongoing repair efforts to the Schoharie County Emergency Management Office via microwave or teletype systems.

Immediate Impact (Type A: Failure of the Gilboa Dam is imminent or has occurred)

- Order evacuation of emergency personnel from repair area.
- Notify NYCDEP WOH Control Center Operator (Grahamsville) and NYCDEP Police (Croton Command Center) of emergency.
- Notify Schoharie County Emergency Management Office of emergency.
- Notify NYPA staff at Blenheim-Gilboa of emergency.
- Contact major downstream utilities noted on Alert List(s).
- Provide periodic updates to NYCDEP Police, State Police, and SEMO as to condition of affected area, pool level, and discharge through the breach.
- In conjunction with other NYCDEP Bureaus, continue emergency operation procedures of water distribution system.

NOTIFICATION RESPONSIBILITIES OF THE NYCDEP WOH DIVISION

NYCDEP WOH Operations Staff

It is assumed that an emergency situation at the Gilboa Dam will be identified prior to complete structural failure. Although reaction time prior to complete failure may be limited, it is assumed that notification procedures can be initiated at the NYCDEP facilities at the Shandaken Tunnel Intake or WOH Division Office in Grahamsville. The likely mode of initial identification of the emergency condition will be by NYCDEP WOH operations staff or NYCDEP Police during inspection/surveillance. It should be noted that regular surveillance of the dams are currently conducted by the NYCDEP and patrolled by NYCDEP Police personnel. GZA recommends that, as part of the described Preventative Actions (Section 4.00), formal weekly and monthly surveillance/inspections be conducted for the dam and appurtenant structures.

In the event problems at Gilboa Dam are identified by independent means (such as alarms for excessive rate of change at NYPA's Blenheim-Gilboa Dam), the WOH Control Center Operator shall be called (24 hours per day, 7 days per week at 845-985-7816), the

WOH Director of Operations shall be advised, and the primary downstream warning points shall be alerted.

NYCDEP WOH Control Center

The NYCDEP WOH Control Center, located in Grahamsville, New York, will be the communications hub for the NYCDEP. The Control Center, which is operated 24 hours a day, is responsible for notifying NYCDEP personnel in charge of emergency response, as well as local affected parties. The priority of notification is to first inform NYCDEP WOH Operations staff to assess the problem and subsequently emergency response personnel and NYCDEP Police to initiate response to the dam site.

NYCDEP WOH Control Center
(914) 985-7816

Notification responsibilities and priorities are:

1. NYCDEP WOH Division, Director of Operations, Water Supply
2. National Weather Service (Albany Office)
1-800-342-4511

Schoharie County Communication Center

24 hour warning point: (518) 295-8114/8115
Communications Center Frequency: 155.730 or 155.370 MHz

NYCDEP Police Croton Command Center
24-hr phone: (914) 245-6694

Other state, county, and local officials will be notified by the Schoharie County Emergency Management Office, in conjunction with the Schoharie County Communications Center, if further Emergency Notifications are required. Refer to Section 3.0 and the Notification Flowchart (Figure 1-1) for additional information.

West-of-Hudson Division, Director of Operations, Water Supply

The WOH Director of Operations, as EAP Coordinator, will supervise activities at NYCDEP EOC at the WOH Control Center.

Notification responsibilities and priorities:

1. NYCDEP Chief, Water Supply Operations, WOH
Office phone: (845) 985-2275 x103

2. NYSDEC – Dam Safety Division

Office phone: (518) 402-8127, (518) 899-4049 (24 hours)

NYSDEC – Region 4

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Office phone: (518) 357-2380

NYCDEP East-of-Hudson (EOH) staff, NYCDEP Deputy Commissioner, and NYCDEP Commissioner will also be notified by the WOH Director of Operations, if necessitated based on the nature of the emergency situation.

NYCDEP Chief Engineer, WOH Water Supply Operations

At the direction of the EAP Coordinator, the NYCDEP WOH Water Supply Operations Chief Engineer shall have the following notification responsibilities:

1. NYCDEP Shandaken Tunnel Operator

Office phone: (607) 588-9342

2. Responsible Party: NYCDEP Equipment/Materials (see Alert List, Table 3-1) and Local Contractors (see Alert List, Table 4-3)

3. DEP Direct Response Personnel

As time and the emergency situation may dictate, NYCDEP personnel or the NYCDEP Communications Center should also contact the utilities listed in the Alert Lists (see Table 3-2) for additional contacts.

NYCDEP Police, Croton Command Center

At the direction of the EAP Coordinator, the NYCDEP Croton Command Center shall have the following notification responsibilities:

1. NYPA Blenheim-Gilboa Pumped Storage Project

Phone: (607) 827-8006

2. New York State Police, Troop G, Princetown

Phone: (518) 630-1700

3. NYCDEP Police Command, Beerston & Ashokan Precincts

Beerston (607) 865-4185

Ashoka (607) 657-8433