

# **EMERGENCY ACTION PLAN**

**PREPARED FOR:  
CORUNNA DAM  
DAM ID 379  
SE 1/4, SECTION 21, T7N, R3E**

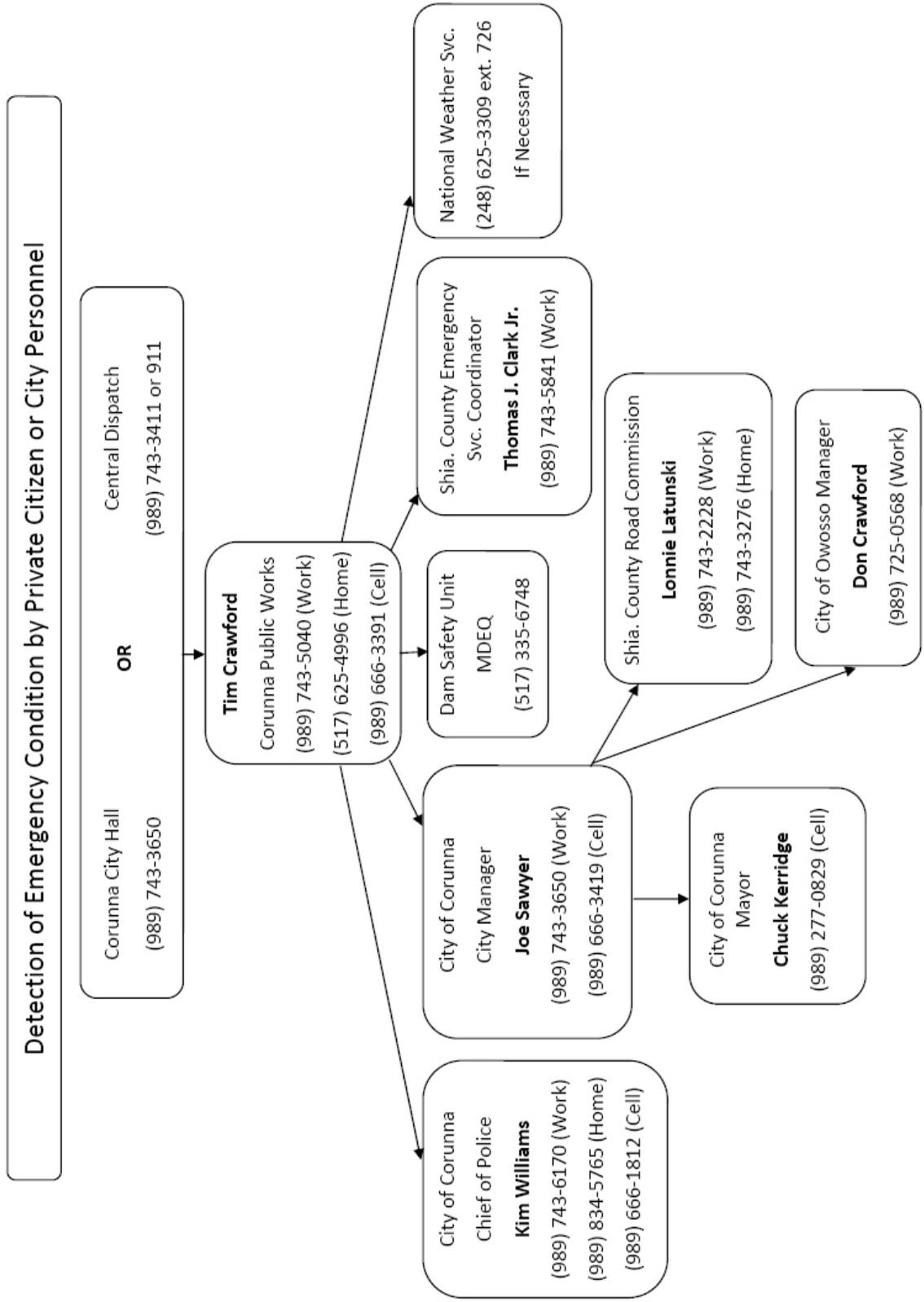
**DAM OWNER/OPERATOR:  
UNKNOWN**

**EMERGENCY SERVICES COORDINATOR:  
TOMAS J. CLARK JR.  
SHIAWASSEE COUNTY EMERGENCY SERVICES  
JAMES P. CAPITAN CENTER, LOWER LEVEL  
149 E. CORUNNA AVE.  
CORUNNA, MICHIGAN, 48817**

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# I. NOTIFICATION FLOWCHART CORUNNA DAM ID 379



## **II. STATEMENT OF PURPOSE**

The purpose of this Emergency Action Plan (EAP) is to safeguard lives and reduce damage to the natural resources and property of City of Corunna, City of Owosso, and Caledonia Township citizens who live along and downstream of the Corunna Dam. This is prepared in the event of a failure of the Corunna Dam or flooding caused by a large flow released from the dam.

## **III. PROJECT DESCRIPTION**

The Corunna Dam consists of a 200 ft. wide overflow spillway with a 25 ft. wide stoppage bay section located adjacent to the right abutment. The dam has a structural height of 10ft., a normal head of 7 ft., and creates an impoundment with a surface area of 17 acres.

McCurdy Park is located approximately 0.3 miles downstream from the dam. The River Walk Apartments are located approximately 0.8 miles downstream from the dam. The City of Owosso is located approximately 1.5 miles downstream from the dam. It is unlikely that any of these areas would be impacted as a result of a dam failure.

## **IV. EMERGENCY DETECTION, EVALUATION, AND CLASSIFICATION**

A maintenance plan will be developed and will include periodic inspections of the dam.

Conditions that warrant the Corunna Dam EAP include the following:

- Excessive leakage through the stop logs in the stop log bays.
- Whirlpools up stream of the dam for an extended period.
- Any major change to the right abutment either from excessive movement or a large amount of water passing through.
- Expansion of voids under the crest of the spillway.

The phone number for Corunna City Hall is (989) 743-3650. If a problem arises outside of normal business hours, call Shiawassee County Central Dispatch at (989) 743-9111 or 911. Tim Crawford, Corunna Superintendent of Public Works, can be reached at home (517) 625-4996, or on his cell phone (989) 666-3391. Joe Sawyer, Corunna City Manager, is the alternate contact for the operation of the dam. He can be reached on his cell phone (989) 666-3419.

## **V. GENERAL RESPONSIBILITIES**

Protection of human life downstream of the Corunna Dam, along with the protection of property of the citizens, is held in high importance. The EAP has been developed to describe actions, which should be followed in the unlikely event of a sudden release from the Corunna Dam.

The City of Corunna is the primary party responsible for the notification of all parties in the flow chart if the initiation of the EAP is warranted. The Corunna Police Department will notify any persons in the McCurdy Park area and the manager of the River Walk Apartment complex. Department of Public Works employees will help with notification by checking the James Miner River Walk trail for anyone walking or biking on the trail. Shiawassee County Emergency Services is responsible for the notification Of residents in Caledonia Township downstream of the dam. Door to door notification may be necessary.

The Shiawassee Road Commission is responsible for the closing of roads in Caledonia Township downstream of the dam if necessary.

The City of Owosso is responsible for the notification of residents that live along the river in their city limits.

## **VI. PREPAREDNESS**

In the event of conditions that could warrant implementation of the EAP, City of Corunna personnel shall maintain continuous surveillance of the dam until the condition is stabilized. The personnel are equipped with two-way radios and/or cellular phones to maintain contact with the emergency command center.

In the event of dam failure, the Shiawassee Street Bridge, that crosses the river in the City of Corunna, may shall be made ready to be closed if conditions warrant.

The Gould Street Bridge, in the City of Owosso, shall be made ready to be closed if conditions warrant.

Home phone numbers for key operations and personnel have been provided in the EAP flow chart.

The dam is located next to the main street in the City of Corunna (N. Shiawassee Street) and would not require any specially equipped vehicles to access the dam site.

No phone service is available at the dam site. Communications between operations and personnel at the dam site will be by cellular phones or two-way radios. Perrin Construction is available to provide earth-moving equipment, if necessary, to stabilize the dam or reduce impact on downstream areas.



