

Subject:	FLOOD RESPONSE
Date issued:	DRAFT
Date revised:	
Related guidelines:	501 – Incident Command

1. Purpose / Rationale:

Response to flooding requires a coordinated effort between many agencies. The intent of this guideline is to provide a consistent approach in response to a flooding event as it relates to evacuation assistance and rescue efforts. Nothing in this guideline relieves any personnel from their responsibilities under applicable legislation.

2. Scope:

This guideline applies to all Tecumseh Fire Department personnel when responding to a flood event.

3. Definitions:

The following definitions are used in this guideline:

Flood zone refers to the section of Town that is currently flooded or that can be reasonably expected to experience imminent flooding given the current conditions.

Officer for the purpose of this guideline shall refer to a Captain or Senior Firefighter either within a team or on a particular apparatus.

4. General Response:

Flood conditions are routinely monitored by the Town's Public Works' staff. When overtopping of barriers or breach of a barrier has occurred or other such conditions exist that would lead to overland flooding in an area of the Town, Public Works will notify the CEMC and CAO of the conditions and identify the initial extent(s) of the flood zone. When required, Tecumseh Fire Department personnel will be dispatched to respond to the flood event.

When dispatched, all responding personnel shall respond to Fire Station 1, with the exception of Engine 2, which shall remain in service at Station 2 for coverage in that service area.

The first arriving Officer at Station 1 shall establish Incident Command at the station and dispatch apparatus and personnel from there to respond as required.

Firefighter safety, preservation of life, preservation of Town infrastructure and protection of private property, in that order, shall be the priorities for responding Tecumseh Fire Department personnel.

Although every effort will be made to evacuate residents from the flood zone prior to the depth of water being greater than 150mm, evacuation assistance may be required at depths greater than that.

When an evacuation notice is issued through the CEMC (voluntary) or through the PEOC (mandatory), those residents who have been registered with the Town as requiring assistance in an evacuation shall be assisted by Fire Department personnel as a first priority. A list of registered residents is available on the Town's network or through the CEMC.

The following sections detail responsibilities of the various personnel.

4.1 Incident Command

Incident Command shall be responsible for the following:

- 4.1.1 Establishing a command post at Station 1. Assign the second arriving Officer or Senior Firefighter to Operations.
- 4.1.2 Receiving information related to emergencies in the flooded area from Windsor Fire Dispatch.
- 4.1.3 Dispatching personnel and apparatus to attend emergency site(s).
- 4.1.4 Where operations are likely to be lengthy, consider establishing a shift rotation of available personnel.
- 4.1.5 Maintain communications with, and provide updates to the Emergency Operations Centre through the CEMC/Fire Chief.
- 4.1.6 Deploy any and all available resources required for the incident, requesting additional resources through the CEMC where required.
- 4.1.7 Coordinate deployment of Town resources, listed in Appendix 'A', where required for water depths exceeding Fire Department apparatus capabilities. When deployed, Town equipment shall be manned by a Town operator and a minimum of two (2) firefighters. Operators shall remain in their vehicle and firefighters shall assist residents as required.

4.2 Operations

Operations shall be responsible for the following:

- 4.2.1 Maintain accountability, tracking location(s) of personnel and apparatus dispatched within the flood zone.
- 4.2.2 Maintain communications with personnel operating at the incident site(s).
- 4.2.3 Update the Incident Commander with the status of incidents and the availability of apparatus and personnel.

4.3 Responding personnel / Apparatus operators

Responding personnel shall be responsible for the following:

- 4.3.1 Don PPE required for the conditions at the incident site, which may include hip waders, a personal floatation device and helmet for deeper water or Ice Commander suits in cold conditions.
- 4.3.2 Operators of apparatus shall know the limitations of their vehicle, related to operating in a depth of water and should not exceed those capabilities. Wherever practical, operators should avoid driving through flooded areas as hazards may be hidden by the water.
- 4.3.3 Where apparatus capabilities are exceeded and travelling by foot is required, personnel should walk on adjacent properties avoiding deeper water, wherever practical.
- 4.3.4 Maintain communications with Operations and provide status updates as required.
- 4.3.5 Assist transporting residents to the reception centre or to an EMS collection point.
- 4.3.6 Once current incident is resolved, report to Incident Command at Station 1 for rehabilitation or reassignment.

5. References:

Occupational Health and Safety Act, R.S.O. 1990, Section 21 Guidance Notes:

- 2-1 – Incident Command
- 2-2 – Crew Integrity
- 2-3 – Radio Communications
- 2-4 – Incident Safety Officer
- 5-1 – Firefighter Accountability and Entry Control

Approved: _____
Wade Bondy, Fire Chief

Attachment: Appendix 'A' – Town Fleet

Appendix A – Town Fleet

Department	Unit Number	Type	Make	Water Depth Capability
Equipment below available for water depths up to 100mm:				
Building	B01-15	SUV	Dodge Journey	100 mm
Building	R01-18	Mini Van	Dodge Mini Van	100 mm
Equipment below available for water depths up to 150mm:				
Water	W03-14	4500 Service	Ford F-450 Service Truck	150 mm
Water	W06-11	5500 Service	Ford F-550 HD Service Truck	150 mm
Transit		15 Passenger Bus	Crestline - Ford E-450	150 mm
Transit		15 Passenger Bus	Ford E450	150 mm
Equipment below available for water depths up to 200mm:				
Parks	P42-16	Utility Vehicle	Kubota Utility 900 4X4	200 mm
Parks	P42-16	Utility Vehicle	Kubota Utility 1100 4X4	200 mm
Parks	P46-16	Utility Vehicle	Kubota Utility 900 4X4	200 mm
Equipment below available for water depths up to 450mm:				
Public Works	PW07-11	3500 Dump	Dodge 3500 Dump Body	450 mm
Public Works	PW08-12	3500 Dump	Dodge 3500 Aluminum Dump Body	450 mm
Public Works	PW02-18	1500 Ext Cab	GMC Ext Cab1500	450 mm
Public Works	PW10-14	1500 Reg Cab	Dodge 1500 4X4	450 mm
Public Works	PW09-12	1500 Ext Cab	Dodge Ext Cab1500	450 mm
Public Works	PW11-12	1500 Ext Cab	Dodge Ext Cab1500	450 mm
Public Works	PW12-12	2500 Crew Cab	GMC 2500 Crew Cab	450 mm
Public Works	PW06-18	1500 Ext Cab	Chevy Extended Cab 4 X 4	450 mm
Public Works	PW14-18	1500 Reg Cab	Chevy Extended Cab 4x4	450 mm
Parks	P01-17	2500 Crew Cab	Dodge 2500 H.D. Crew Cab	450 mm
Parks	P02-16	1500 Reg Cab	Dodge 1500 Reg Cab	450 mm
Parks	P03-16	1500 Ext Cab	Dodge 1500 Crew Cab	450 mm
Parks	P04-18	2500 Reg Cab	Dodge 2500 Reg Cab Long Box	450 mm
Parks	P05-12	2500 Crew Cab	GMC 2500 Crew Cab	450 mm
Parks	P06-19	2500 Crew Cab	Dodge 2500 Crew Cab	450 mm
Parks	P07-16	3500 Dump	Ford 3500 with Dump body	450 mm
Parks	P08-16	1500 Ext Cab	Dodge 1500 Extend Cab	450 mm
Water	W01-18	1500 Ext Cab	Dodge 3500 Cab and Service Body	450 mm
Water	W02-14	1500 Ext Cab	Dodge 1500 Ext Cab	450 mm
Water	W04-12	1500 Ext Cab	GMC Sierra Ext Cab Service Truck	450 mm
Water	W07-12	1500 Ext Cab	Dodge 1500 Ext Cab	450 mm
Water	W08-18	1500 Ext Cab	Dodge Extended Cab 4 X 4	450 mm
Building	B02-10	1500 Reg Cab	GMC Pick-up Sierra	450 mm
Recreation	M01-12	1500 Reg Cab	Dodge Ram 1500	450 mm
Recreation	M02-18	1500 Reg Cab	Dodge Ram 1500	450 mm
Recreation	AM01-14	1500 Reg Cab	Chevy 1500 Ext. Cab	450 mm
Equipment below available for water depths up to 600mm:				
Public Works	PW03-12	Tandem axle pre wet w/wing	Mack (tandem axle)	600 mm
Public Works	PW05-12	Single axle pre wet	Freightliner SD180 (single axle)	600 mm
Public Works	PW16-15	Tandem axle w/wing	Mack (tandem axle)	600 mm
Public Works	PWE02-13	Backhoe	Cat 420F Backhoe	600 mm
Public Works	PWE03-14	Backhoe	Case 580 WT Backhoe	600 mm
Public Works	PWE09-12	Tractor	Zetor Tractor with Bucket/Snow Box	600 mm
Water	W05-16	Tandem Axle	International Tandem Axle	600 mm

Licensed Operators (DZ licence & backhoe):

Water department – 6

Public Works – 9

Maintenance – 2

Parks - 1