




**Marquette County Health Department
Flood Response - Checklist of Considerations**

Event Type	FLOOD
Major MCHD Response - MCHD is one of the potential responders for the Emergency Support Function (ESF) 8 (Health & Medical)	<ol style="list-style-type: none"> 1. Food/water/sewage evaluations at shelters 2. Health effects in flooded zones (surveillance and public information) 3. Advise Emergency Management/EOC of: a) MCHD noted gaps in health/safety responses; b) other agencies with event relevant health responsibilities; c) health department responses (1. and 2. above)

	Considerations (for MCHD response or event knowledge needs)		Reference (Double-Click Icon to Open Documents)
Command and Control	<input type="checkbox"/>	Determine if County Emergency Operations Center (EOC) has been activated (contact County Emergency Manager); Identify MCHD liaison to the EOC	County Emergency Actions Guidelines (EAGs) (no link – see separate document)
	<input type="checkbox"/>	Determine if a Local State of Emergency has been declared by county Chief Elected Officer (Board of Commissioners Chair)	County Emergency Actions Guidelines (EAGs) (no link – see separate document)
	<input type="checkbox"/>	Verify Lead Response Agency to head EOC	
	<input type="checkbox"/>	Hold MCHD Administrative Staff meeting to: 1) Prepare Incident Action Plan (IAP) for MCHD response 2) Assign appropriate MCHD response staff 3) Finance to identify event staff activity recording method (submit chargeable expenses to County Emergency Manager)	 IAP
	<input type="checkbox"/>	Coordinate Joint Information Center (JIC) with County Emergency Management / Public Information Officer (PIO)	See MCHD CERC Plan
	<input type="checkbox"/>	Determine need for telephone call center and phone number to be utilized for public information hotline; Coordinated through EOC and County Emergency Management.	





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	<input type="checkbox"/>	Assemble all MCHD Staff and volunteers to provide situational overview and communicate IAP, role expectations.	
	<input type="checkbox"/>	Coordinate through EOC to target public health response based upon geographic area and populations affected.	
	<input type="checkbox"/>	Monitor (Health Officer may want to participate in) the State Emergency Operations Center (SEOC) State Agency Briefing Conference Calls 1) Monitor by reviewing the <i>Damage Assessment and Emergency Status Report</i> posted on the WebEOC event site. 2) Participation in the calls can be arranged by contacting the Michigan Department of Health and Human Services (MDHHS) representative.	MDHHS Emergency Management Coordinator – currently (2012) Kathy Wahl, Healthcare & Public Health Emergency Management Policy Specialist, (517) 335-8281; Cell (517) 898-8386; wahlk@michigan.gov
	<input type="checkbox"/>	Use WebEOC to: 1) Obtain situation reports that monitor event activity 2) Post MCHD activity and attachments of pertinent documents	WebEOC login
	<input type="checkbox"/>	Monitor 800 MHZ radio special events channel(s)	
	<input type="checkbox"/>	Monitor the internet for event content	Sign up for 'Google Alerts' at: www.google.com/alerts <i>enter the event name in the search query box</i>
	<input type="checkbox"/>	Monitor social media for event content	
Health & Safety	<input type="checkbox"/>	Identify (through County EOC) lead agency that is responsible for responder health / safety	
	<input type="checkbox"/>	Identify partner agencies available for coordinated medical response to community.	
	<input type="checkbox"/>	Identify partner agencies available for onsite and community major medical response (e.g. ambulance).	





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	<input type="checkbox"/>	Identify partner agencies available for onsite and community minor medical response.	
	<input type="checkbox"/>	Identify partner agencies available for coordinated mental/behavioral response .	
	<input type="checkbox"/>	Communicate to all MCHD staff medical and mental health resources available to meet their needs and the needs of their families	
	<input type="checkbox"/>	Determine if MCHD will be establishing clinic service locations , type of service, and population to be served	
	<input type="checkbox"/>	Outreach to the community through the JIC regarding medical and behavioral health services available to the population.	
Medical Material Mgmt & Distribution	<input type="checkbox"/>	Advise EOC as necessary of source of alternative care center supplies ; Maintain contact with Region 8 Medical Coordination Center.	R8 MCC (906) 225-7745
	<input type="checkbox"/>	Advise EOC that ER bed space availability can be monitored through HAvBED .	
	<input type="checkbox"/>	Advise EOC that resources from the Strategic National Stockpile (SNS) can be requested if needed.	
Sheltering	<input type="checkbox"/>	Identify shelter locations and agencies responsible through EOC. (Shelters for the public and for responder use)	
	<input type="checkbox"/>	EH Staff conduct site visits at shelter locations/meet with shelter operator to determine compliance with CDC environmental health considerations for emergency shelters (i.e. food safety, water supply, sanitary facilities, bed spacing, waste handling etc.)	  Eval form Instructions
	<input type="checkbox"/>	Clinical staff coordinate with shelter operators regarding reporting of illness / injury, infirmary operations, medical needs , and access to mental health services.	
	<input type="checkbox"/>	MCHD Incident Commander to consider establishing clinical presence within shelters to screen for medical and behavioral health needs,	



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		provide service and/or referrals.	
	<input type="checkbox"/>	Coordinate with EOC secure and coordinate the provision of Alternate potable water and drinking water sources not serviced by approved municipal or non-community public water supplies.	
	<input type="checkbox"/>	Coordinate with shelters and local Humane Society regarding care of displaced pets	UPAWS: (906) 475-6661
Environmental Response	<input type="checkbox"/>	Evaluate food service establishments to determine safety of continued operation. Continued food service to the public may be beneficial if risks can be controlled.	 MDA EmergencyActionPlan
	<input type="checkbox"/>	Verify with EGLE that state partners are conducting surveillance and sampling at impacted Type I water public drinking supplies.	EGLE UP District office (906) 228-4853
	<input type="checkbox"/>	Evaluate location of Type II and Type III public drinking water supplies. Advise operators regarding continued operation, mitigation or corrective actions.	 EGLE EH Contact List
	<input type="checkbox"/>	Assist in the coordination with State partners(MDHHS, EGLE) regarding alternate drinking water sources to be made available to the public (i.e. alternated well locations for approval, bottled water provisions)	
	<input type="checkbox"/>	Contact sewage treatment facilities or EGLE to determine status of any non permitted sewage discharge, Sanitary Sewage Overflows (SSO), or infrastructure damage.	Ishpeming: (906) 486-4391 Marquette (906) 225-4054 Gwinn: (906) 346-9217 Sawyer (906) 346-9403
	<input type="checkbox"/>	Coordinate with State and community partners through the EOC to establish alternate sanitary facilities that can be used by the public as	










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	<input type="checkbox"/>	needed.	
	<input type="checkbox"/>	Determine response for recreational water , addressing public swimming pools and hot tubs, designated swimming beaches and general surface water contact.	
	<input type="checkbox"/>	Coordinate with municipalities and the Marquette County Solid Waste Authority through the EOC to establish drop off locations and handling and disposal procedures solid waste (garbage, building/demolition debris etc.)	Marquette County Solid Waste Management Authority: (906) 249-4125
Clinical Response	<input type="checkbox"/>	Develop a health surveillance plan - coordinate with MDHHS in plan development.	Region 8 Epidemiologist: Scott Schreiber Phone: (906)643-1100 x208 or (906)635-3634 Cell: (517)930-3089 Fax: (906)643-0239 schreibers@michigan.gov
	<input type="checkbox"/>	Issue notice to providers to report illness that may be associated with the event to LHD (include reporting form; chemical reporting rules)	
	<input type="checkbox"/>	Conduct active surveillance of area hospital emergency departments .	
	<input type="checkbox"/>	Coordinate with MDHHS to receive regular reporting from the Michigan Syndromic Surveillance System .	
	<input type="checkbox"/>	Submit health advisory to public health / medical provider roles via MIHAN	
	<input type="checkbox"/>	Determine need and locations for MCHD basic medical clinic services directly available to the community (i.e. services at shelters, services at existing clinic locations)	







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	<input type="checkbox"/>	Determine need and locations for MCHD behavioral health provider services directly available to the community (i.e. services at shelters, services at existing clinic locations) .	
Public Health Advisories	<input type="checkbox"/>	Post public information / links to other information sources on agency website ; Develop additional public information utilizing pertinent websites.	CDC Flood Response Guidance North Dakota Flood Information Texas EDEN Flood Page
	<input type="checkbox"/>	Utilize social media as applicable and per agency policy.	
	<input type="checkbox"/>	Issue public health advisory general hazards associated with floodwater and pertinent information sources.	 General Flood  Media Outreach Tips <small>Advisories Press releaz (2017).docx</small>
	<input type="checkbox"/>	Issue public health advisories regarding basic medical services available to the community.	 Flooding Recovery  Flooding Response <small>Local public Health CcKing County Washing</small>
	<input type="checkbox"/>	Issue public health advisories regarding behavioral health services available to the community.	 Tetanus and flooding  Flooding and <small>Myths and Facts.pdf Tetanus PA 11-9-17.</small>
	<input type="checkbox"/>	Issue public health advisory regarding food safety .	 <small>CDC- Food After flooding.pdf</small>

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<input type="checkbox"/>	Issue public health advisory regarding drinking water supply status and available options.	 CDC- Drink Safe Water.pdf
<input type="checkbox"/>	Issue public health advisory regarding public waste water treatment systems status and available options.	
<input type="checkbox"/>	Issue public health advisories to homeowners regarding well and septic concerns and appropriate actions.	  Flood Drinking Water EPA Septic Systems - Press Release 10-18- What to Do after the  Septic System Floods - What to Do.pdf
<input type="checkbox"/>	Issue public health advisories regarding solid waste handling .	 Waste Management in disasters guidance
<input type="checkbox"/>	Issue public health advisories regarding recreational water and surface water .	 Beach Advisory.docx
<input type="checkbox"/>	Issue public health advisories regarding utility hazards and carbon monoxide concerns with power generation.	 Carbon Monoxide and Generators.pdf
<input type="checkbox"/>	Issue public health advisories regarding homeowner clean-up and mold concerns.	 EPA Mold Clean-up guidance.pdf

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	<input type="checkbox"/>	Issue public health advisories regarding vector control concerns.	 Flood Vector Press Release .docx
Recovery	<input type="checkbox"/>	Explore the utility of a CASPER evaluation and conduct if warranted.	 CASPER Toolkit 3.1.pdf
	<input type="checkbox"/>	Compile health data, release acute health affects report	 Example CASPER Flint.pdf
	<input type="checkbox"/>	Review data on a daily basis to determine when Public Health Advisories/Orders can be lifted ; Update activity summary on regular basis.	
	<input type="checkbox"/>	Determine/considered/plan post disaster public health services needed by the community based upon health data.	
	<input type="checkbox"/>	Assist affected food service establishments in abatement/reconstruction/ and reopening in accordance with Michigan Food Law.	
	<input type="checkbox"/>	Assist operators of affected Type II and Type III public drinking water supplies in abatement, repair and sampling compliance efforts to bring water supplies back into service to the public.	
	<input type="checkbox"/>	Assist home owners in assessment abatement and correction to affected private drinking water supplies .	 Well Flooding Guidelines Iowa DNR
	<input type="checkbox"/>	Identify affected on-site wastewater systems and assist owners in abatement, mitigation, repairs or replacements.	
	<input type="checkbox"/>	Work with owners/operators of recreational water facilities and public bathing beaches to achieve water quality sampling compliance and to make any needed corrections and repairs as needed to reopen facilities to	



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	the public.	
<input type="checkbox"/>	Provide guidance and assistance to homeowners regarding abatement, mitigation and repair to flood damaged homes .	 Flooded Homes CleanupGuide.pdf