



Damage Assessment and Emergency Status Report

Incident: 2013-04-Statewide-Flooding

Operational Period

Operational Period Begin: 04/18/2013 08:00:00
Operational Period End: 04/19/2013 08:00:00
Situation Report No. #3
SEOC Status: Full
Hours of Operation Begin: 04/19/2013 09:00:00
Hours of Operation End: 04/19/2013 18:00:00

Executive Summary

The State Emergency Operations Center (SEOC) began to actively monitor the flooding conditions across the state at 1130 on April 18, 2013. As of 0830 on Friday, April 19, the SEOC was partially activated. The SEOC went to full activation at 1300 on Friday, April 19. For the weekend of April 20-21, the SEOC will be operational from 0800 to 2000 (8:00 AM to 8:00 PM) each day. SEOC personnel are monitoring high river levels across Central Lower Michigan. River levels in these areas are rising and/or reaching flood or near-flood stages due to several days of heavy rain combined with previously saturated soil conditions. There is an expectation for flooding in the low-lying areas adjacent to these rivers. The Grand River at Grand Rapids, with a flood stage of 18 feet, is currently at 20.28 feet and is expected to crest at 23.3 feet by Monday (April 22) afternoon. The Tittabawassee River at Midland has a flood stage of 20 feet, is currently at 27.6 feet, and is expected to crest at 28.5 feet tonight. The Muskegon River at the Croton Dam has a flood stage of 9 feet, is currently at 11.08 feet, and will crest at 11.15 feet in the next 24 hours. The Chippewa River at Mt. Pleasant has a flood stage of 8 feet, is currently at 10.5 feet, and will crest at 11 feet by early tomorrow (Saturday, April 20).

Road closures due to flooding have been reported in several counties, and include some state-level and interstate highways (see list below from the MDOT). Motorists are being advised by local and state emergency management officials not to attempt to drive around barricades or to drive through flooded areas. Temporary shelters for residents whose homes have been flooded have been opened in several communities; however, several others have been closed due to low shelter populations.

The National Weather Service reports that rainfall totals from Wednesday, April 17 through Thursday, April 18 ranged from 1-3 inches in most areas in Central and Southern Lower Michigan. A heavier swath of rain fell from the Lake Michigan shore at Holland and Grand Haven east into the Grand Rapids area. In this area (Allegan, Kent, and Ottawa Counties), 4-5 inch rainfall totals were experienced. Moderate to major flooding will continue on larger rivers such as the Grand River, Muskegon River, Tittabawassee River, and Saginaw River. Minor to moderate flooding is expected along areas adjacent to smaller rivers such as the Cass River, Thread Creek, Lower Rouge River, and the Pine River. Smaller creeks and streams will begin to recede today as widespread rainfall has ended and only scattered showers are expected today.

A major threat for Friday, April 19, are strong southwest to west winds expected in the region, ranging from 20-30 miles per hour with gusts of 45-55 miles per hour possible. The high winds combined with the rain-saturated ground will increase the possibility of downed tree limbs or trees. This may cause scattered power outages over the next several days.

Sandbagging operations are either underway or being discussed in several Michigan counties and local communities. The MSP/EMHSD is coordinating with the U.S. Army Corps of Engineers (USACE) to provide sandbags to communities in need. In addition, the USACE has disseminated instructions to local governments on how to properly design and construct a sandbag wall to hold back flood water. This guidance can be found in the MI CIMS Reference Info menu, Links, under Sandbag Information, USACE.

The Michigan State Police (MSP) is conducting an aerial flyover today to assess the scope and magnitude of the flooding in Kent County, Ionia County, Muskegon County, Newaygo County, and Ottawa County. Additional flyovers may be scheduled tomorrow, depending on conditions and need.

A representative from the NWS Grand Rapids office is present in the SEOC to provide updates and forecasts on weather and flood conditions, as requested.

The MDOT SEOC representative reports the following road closures involving state highways and trunklines: 1. M-13 just south of Saginaw, Saginaw County, due to water over the roadway. 2. WB M-121 at Port Sheldon, Ottawa County. 3. M-57 west of Carson City, Montcalm County. 4. M-121 (Chicago Drive) at I-196 is flooded at the ramps east of the freeway; down to one lane in each direction east of the freeway; ramps closed. 5. EB I-196 exit to M-121, WB M-121 to WB I-196, M-121 to EB I-196, Ottawa County. 6. The off ramps from eastbound and westbound I-196 to Market Avenue in Grand Rapids (Exit #73) are closed. Market Avenue is flooded between I-196 and Freeman Avenue, Kent County. 7. Eastbound and westbound I-196 BL between Clyde Park and Godfrey, in the cities Wyoming and Grand Rapids, Kent County. 8. M-21 over the Maple River (east of Ionia, between Muir and Pewamo), Ionia County, is closing in the next few hours, due to water levels under the bridge.

The MDLARA reported earlier today power outages at 80,000 for DTE with approximately 26,000 still out and expected to have restored by the end of today, Friday, April 19. Consumers Energy reported 7,000 statewide as of 1245. No other utility has reported outages.

Ionia County and the city of Ionia noted the possibility that Ionia County may be divided in half due to bridge and road closures caused by the rising Grand River. Attempts were being made to relocate emergency response resources to ensure the ability to provide timely services to all county residents in need.

Evacuations have been reported in Gladwin County, Ionia County, Kent County, Midland County, Osceola County, and Ottawa County. No firm figures are available at this time regarding numbers of evacuees.

Incident Response/Recovery Priorities/Objectives

Emergency Declarations

Local Declarations

Jurisdiction(s): Newaygo County on April 16, 2013; Midland County on April 17, 2013; Ottawa County on April 17, 2013; Osceola County on April 18, 2013; the city of Ionia on April 18, 2013 (received on April 19, 2013); Ionia County on April 19, 2013; Gratiot County on April 19, 2013; Kent County on April 19, 2013 **Date/Time:** as of 04/19/2013 at 16:30:00

Midland County also requested a Governor's emergency or disaster declaration under 1976 PA 390, and specifically requested the following state assistance: "Sandbags for protecting publicly owned facilities and National Guard vehicles capable of driving through standing water to rescue and evacuate residents." This request is currently being reviewed by the MSP/EMHSD.

State Declarations

Jurisdiction(s): **Date/Time:** 8/27/2012 3:16:08 PM

Weather Conditions

Temperature (°F):

Wind Chill (°F):

Humidity (%):

Heat Index (°F):

Winds (measured at 10 meters):

Direction: Speed (MPH): Conditions:

Cloud Cover:

Cloud Height (feet):

Visibility (miles):

Total Rainfall (inches):

Snow Accumulation (inches):

Ice Accumulation (inches):

Watches/Warnings

Wind Advisories in Effect for 4/19 for all of the lower peninsula.

Upcoming Forecast

Gusty winds up to 50 miles per hour in the Lower Peninsula will continue through this evening and should decrease by midnight. 10-20 mile per hour winds from west to northwest, will be present overnight tonight and for much of Saturday. Colder temperatures will also occur, with some light rain/snow showers possible. Some snow accumulation is possible in the northern Lower Peninsula tonight.

The next chance for widespread rain is on late Monday and into Tuesday of next week. At this time, generally less than 1 inch of rain is expected for next Monday-Tuesday.

Other

Attachment(s):

General Information

River Conditions

Flood warnings have been issued for the following rivers: the Looking Glass River and the Maple River in Clinton County; the Thornapple River in Barry County and Kent County; the Rogue River in Kent County; the Chippewa River in Isabella County; the Pine River in Gratiot County; the Grand River across Ionia, Kent, and Ottawa Counties; the Red Cedar River in Ingham County; the Flat River in Ionia County; the Kalamazoo River in Allegan County; the Portage River in Kalamazoo County; the Pere Marquette River in Mason County; the White River in Muskegon County; the Muskegon River in Osceola and Newaygo Counties; and the Little Muskegon River in Mecosta County.

National Terrorism Advisory System (NTAS) Status

Critical Infrastructure/Key Resources Impacted

Outside Assistance Requested

Fatalities and Injuries

Reports This Period Cumulative Comments

Fatalities

Injuries

Evacuation and Sheltering

Reports This Period Cumulative Comments

Evacuation

Sheltering

Local Damage Summary

Public Damage Totals

Jurisdiction	Category A: Debris Removal \$	Category B: Emer Prot Measure \$	Category C: Roads / Bridges \$	Category D: Water Control \$	Category E: Public Bldgs \$	Category F: Public Utilities \$	Category G: Parks / Rec and Other \$	\$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
TOTALS PER CATEGORY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Private Damage Totals

Jurisdiction	Residences Destroyed	Residences - Major Damage	Residences - Minor Damage	Residences - Affected	Businesses - Destroyed	Businesses - Major Damage	Businesses - Minor Damage	Businesses - Affected	\$ Estimate for Damage (if available)
County of Benzie	0	0	1	0	0	0	0	0	\$10,000
TOTALS:	0	0	1	0	0	0	0	0	\$10,000

Summary

Agency Summaries**Agriculture and Rural Development (MDARD)**

The MDARD has received some reports from county drain commissioners of intercounty drains experiencing breaches/failures and flooding farm fields. At this point, very few crops have been planted so crop loss is not a big concern (though it will be some time before fields are dry enough to plant, which could impact crop production later).

American Red Cross (ARC)

The American Red Cross has stood up a Disaster Relief Operations Headquarters in Grand Rapids, which will serve as the coordination point for Red Cross relief efforts. Currently there are 8 shelters open across the state. The locations of these shelters can be found at redcross.org. Local Red Cross representatives have been asked to reach out to their local EMA to see how they can support local responses with sheltering and feeding.

AuxComm

ARES/RACES standing by until needed. The Kent County EOC and Kent County ARC Headquarters have been staffed with AuxComm representatives. Midland County is standing by on local repeater.

Licensing and Regulatory Affairs (LARA)

The MDLARA Bureau of Health Care Services has evacuated two nursing home facilities due to incident conditions. (Specific details are reported in agency documentation.) The two facilities are: 1. St. Francis of Saginaw - no reported flooding damage; and 2. Brookcrest of Kent (requested by Kent County EOC) - flooding damage has occurred.

National Weather Service (NWS)

The NWS SEOC representative is coordinating with local forecast offices, local EMCs, and SEOC staff on river forecasts and hazardous weather threats. The NWS representative developed a Power Point presentation to provide a quick glance reference at river levels and impacts that occur with the forecast levels for use in SEOC briefings and incident response planning.

State Police (MSP)

The Special Operations Division is assisting at the SEOC. The MIOC has been monitoring the flooding conditions and sent out a situational awareness bulletin on the pending weather and flooding. The MSP Aviation unit has completed aerial damage assessment photographs of Kent, Ionia, and Ottawa Counties. A partial assessment of Muskegon and Newaygo Counties has also been completed. Aerial photographs have been forwarded to the SEOC and loaded into the MI CIMS.