

Master Scenario Events List (MSEL) for
Davison County Flood
Tabletop Exercise
22 SEPT 2022

INTRODUCTION

Scenario Summary

The Scenario utilized for this exercise will be a re-enactment of the 2019 flood. We will discuss the weather prior to the flooding, the hasty rescues completed throughout the next three days, and the months of recover after the event. Several local agencies (EM, Search and Rescue, MPD & EMS, Sheriff's Office) as well as State (Office of Emergency Management) and Federal Agencies (Red Cross and the National Weather Service) will be involved.

Injects will be discussed, as the real-life events unfolded during the flood event.

September 12, 2019-According to Michael Gillispie with the National Weather Service, Davison County received 5-8" of rain from September 7-12. The large amount of rain, on top of the already saturated soil, caused flooding on many county roads, as well as city streets in Ethan, Mt. Vernon, and Mitchell. Many of the roads washed out in March were washed out again. Many areas were more severe than the March storm, to include several bridges taken out by the flooding. Crews put up road closed signs as roads are flooded. However, extreme caution was advised while driving on any road; especially in the dark.

At approximately 2030 on 12 SEP 2019 one individual was rescued from a vehicle, which was pinned against the east guardrail of the Enemy Creek bridge on HWY 37. It appeared the vehicle drove around the barricades and was overcome by the rapid current. Mitchell Fire & Rescue used the ladder truck to reach out to the vehicle, break the back window, and extract the person safely. The Davison County Sheriff's Office and Davison County Search and Rescue assisted in the incident. The occupant was arrested for DUI and eventually sent to prison.

Immediately following this rescue, another call came in of three individuals stranded on 409th St. south of Mitchell. Davison County Search and Rescue was unable to access the subjects from the north or west due to high water. The Ethan Fire Department was able to rescue all three. They were taken to the Parkston Hospital, then turned over to local authorities for investigation of crimes committed on the property.

September 13, 2019-Creeks, streams and rivers starting to recede. Several homes had flooded basements, sewage backup, and a few with collapsed basement walls. Many homeowners in the county were still removing water and sewage, planning for a long-term recovery effort. Many Mitchell homes were still pumping water/sewage. Several rural homes had 8' of water in the basement, with no short-term receding in site. We estimated over 1,000 homes were affected due to flooding. Bridge/road closures were in all directions and too numerous to list. Lake Mitchell spillway had massive amounts of water going over.

Several Township and County roads remained impassible. Once the water recedes, the HWY Dept. planned to replace the gravel/culverts and repair the road. Townships reported major loss of gravel/culverts. HWY 37 was

open from Mitchell to Parkston. HWY 16 west was open. HWY 38 east was open to Spencer. 511 showed I-90 closed to the east in all lanes.

EM provided over 12, 000 sandbags to residents. A rural sandbag station was set up at the HWY Department, as well as a sandbag recovery station for residents to properly dispose of the sandbags. EM had continuous monitoring of roads, bridges, etc., then relayed the information to Public Works.

At approximately 0903 on 13 SEP 2019 a call was received to rescue three individuals from the Loma Linda Trailer Court. Contact was made with Mitchell Fire & Rescue and all three residents, as well as their pets were evacuated by boat and provided a motel room courtesy of the Salvation Army. However, this appeared to be a ploy of sympathy from the public. After being rescued, one resident dove around the block, waded back to her trailer, retrieved more of her belongings, then waded back to her vehicle.

As of 0930 on 14 SEP 2019, The National Weather Service Monitor on the James River was at 24.5' and was receding. Flood stage is 17' and the record is 25.3'. Massive amounts of water were entering Lake Mitchell via Firesteel Creek, which was at 14.1,' and receding. Flood stage is 8' and the record is 17.1'. There was approximately 1' of water going over the spillway. Dry Run Creek was still extremely flooded to the west, but had started to recede in the City of Mitchell near Minnesota St. and Burr St. Several rural roads will remain closed for an extended period.

Due to excessive runoff, several feedlots had drained into creeks, streams, and rivers. One dam broke releasing massive amounts of manure into the James River. DENR was notified. Raw sewage was in most runoff areas as well.

Responders/participants include Davison County Emergency Management, Davison County Search & Rescue, Davison County Sheriff's Office, National Weather Service, Mitchell Police Department, Red Cross, and the Mitchell Fire Department/EMS..

Master Scenario Events List (MSEL)

Inject #	Inject Time	Inject Origin (From)	Inject Destination (To)	Inject Description	Expected Action
1	1200 9-10-19	NWS	EM/SAR	STARTEX-The National Weather Service predicts a slow-moving storm will result in several inches of rain in eastern South Dakota,	Participants prepare for the day.
2	2000 9-10-19	NWS	EM/SAR	The Davison County EM was notified of heavy rain, with anticipation of major flooding across the county. He, as well as most other EMs, was in Pierre for the annual EM Conference and started to make his way home.	Respond, return to Davison County.

Inject #	Inject Time	Inject Origin (From)	Inject Destination (To)	Inject Description	Expected Action
NA	Pause	Pause	Pause	Pause	Pause-A simulated PAUSE-EX was implemented to transfer to a new time period.
3	0500 9-11-19	Commissioners	HWY Dept.	Roads washed out	Respond, install road closed signs.
4	0500 9-11-19	Mayors	City Street Dept.	Roads flooded, basements caving in.	Respond, install road closed signs, assist residents.
NA	Pause	Pause	Pause	Pause	Pause-A simulated PAUSE-EX was implemented to transfer to a new time period.
5	2030 9-12-19	Dispatch	EM/SAR/ Sheriff/ SDHP	Vehicle trapped against bridge on HWY 37 in 3' of water.	Respond, rescue stranded resident.
6	2130 9-12-19	Dispatch	EM/SAR/ Sheriff/ SDHP/ Ethan FD	Three individuals who do not speak English attempted to walk from Ethan to Mitchell, stranded on 409 th .	Respond, rescue stranded residents.
NA	Pause	Pause	Pause	Pause	Pause-A simulated PAUSE-EX was implemented to transfer to a new time period.
7	0800 9-13-19	Dispatch	EM/Red Cross/ Salvation Army/ SAR	Several homes flooded	Respond, provide financial and clean up relief by Red Cross and Salvation Army, assist residents with needs.
8	0800 9-13-19	HWY Dept.	EM	Roads remain closed, running short on barricades.	Request additional barricades, put out press release.
9	0800 9-13-19	Dispatch	EM/SAR	Sand and Sandbags were running short at the two filling locations.	Respond, additional sandbags and sand were provided at three locations in the County for the public to use.
10	0903 9-13-19	Dispatch	EM/SAR/ Sheriff/ MPD/FD	Three individuals need rescued from a trailer court.	Respond, rescue stranded residents.

Inject #	Inject Time	Inject Origin (From)	Inject Destination (To)	Inject Description	Expected Action
11	1100 9-13-19	Dispatch	EM/SAR/ Sheriff/ MPD/FD	Two individuals need rescued from W. 3 rd .	Respond, rescue stranded residents.
NA	Pause	Pause	Pause	Pause	Pause-A simulated PAUSE-EX was implemented to transfer to a new time period.
12	0930 9-14-19	NWS	EM	The James River, Firesteel Creek, and Lake Mitchell are experiencing massive amounts of water.	Check monitoring stations and physically inspect the waterways.
13	1200 9-14-19	DANR	EM	A feedlot dam has broken, allowing manure to run into the James River.	Respond, investigate, inform DANR.
14	1300 9-14-19	State OEM	Townships/ Municipalities/ County	Damage Assessment	Assess the damage, assist all government entities complete the assessment site worksheet.
15	0900 9-24-19	OEM	County	Declare a Disaster	Resolution passed, submitted to the state OEM.
16	0900 9-30-19	FEMA	EM	Need a place to set up a FEMA Recovery Office	Acquire the Fairgrounds, coordinate with FEMA and residents.