



**09-003, Spring Flooding
May 4, 2009
12:00 p.m. CDT
Incident Summary Report #62**

Incident Overview

Summaries are published after 12:00 p.m., Monday through Friday.

Updated information is in red.

The following is a summary of key issues related to the 2009 spring flood for the Red River of the North, Souris, Devils Lake, James, Sheyenne and Missouri River Basins.

State Emergency Operations Center (SEOC) Activation – Level III (Monitoring Activation). The SEOC will be staffed daily from 7:00 a.m. to 5:00 p.m. by N.D. Division of Homeland Security (NDHLS) personnel. The Duty Officer will be responsible for incident-related calls between 5:00 p.m. and 7:00 a.m.

Significant Events

- **Deaths/Injuries/Illnesses – as reported by the N.D. Department of Health (NDDoH) and the N.D. Highway Patrol (NDHP)**
 - Deaths – 3; two were caused by cardiac arrest, as reported by NDDoH; the NDHP classified the third as a traffic fatality.
 - Injuries – 249
 - Illnesses – 70
- **Rescues**
 - Rescues – 139
 - Animal Rescues – 135
- **Confirmed livestock loss reports received from County Extension agents in 22 of 53 counties. – May 1**
 - Calves – 19,051
 - Cattle – 4,200
 - Horses – 27
 - Other Livestock – 208
- **Evacuations/Sheltering**
 - Local shelters on stand by
 - Oriska School
 - Sacred Heart Church, Sanborn
 - Lisbon School (independent shelter)
 - Jamestown High School

- First Assembly of God (also backup registration center)
- State Shelters on stand by
 - Horizon Middle School
 - Charity Lutheran Church
 - Century High School
 - Hughes Administration Building
 - Simile Middle School
 - Bismarck High School
 - Mandan Jr. High School
 - Mandan High School
- State Reception Center on Stand-By
 - NDDoH Environmental Health Training Facility, Bismarck
 - Jamestown YMCA, Jamestown
- Pet Shelters
 - No current updates
- Sewage System Problems
 - LaMoure County
 - On May 4, sewer use restrictions were placed upon residents and businesses in the city of LaMoure due to an electrical power outage at the city's lift station. Power has been restored but sewer restrictions remain in place until the system has a chance to catch up, which is anticipated by 3:00 p.m. today. Residents are encouraged to continue to conserve water. – May 4
- Flooding
 - Ransom County
 - City of Lisbon personnel are working 24/7 to staff pumps and lift stations. The city had five pumps prior to flooding and purchased six additional pumps. High Sheyenne River levels, rainfall and a high water table are causing pooling and water backup, threatening homes and businesses. – April 30
- Dams –May 3
 - **Pipestem Dam:**
 - Current reservoir level – 1,488.7 feet (-0.4 ft / 24 hours)
 - Spillway elevation - 1,496.3 feet
 - Spillway flows – None expected
 - Current reservoir inflow – 506 cfs
 - Current reservoir release – 1,400 cfs
 - **Jamestown Dam:**
 - Current reservoir level – 1,453.7 feet (minimal change last 24 hours)
 - Spillway elevation - 1,454 feet
 - Spillway flows – small spillway flows expected May 3 to May 10
 - Current reservoir inflow – 1,078 cfs
 - Current reservoir release – 1,800 cfs
 - Combined releases into the James River are now 3,200 cfs
 - **Baldhill Dam**
 - Current reservoir level – 1,268.63 feet.
 - Spillway elevation - 1,271 feet
 - Current reservoir inflow – 3,009 cfs
 - Current reservoir release – 3,510 cfs

➤ Roads

The following is the ND Department of Transportation road report as of May 4:

- The following highways are closed due to water damage:
 - ND-9 nine miles west of Kensal.
 - ND-200 near Hazen from the junction of ND-200A to the junction of ND-1806.
 - ND-46 one mile west of Kindred at mile marker 110.
 - ND-18 from the ND-5 junction to the Canadian border.
- The following highways are closed due to water over the roadway:
 - ND-27 directly east of the junction of ND-32 in Lisbon.
 - ND-66 from ND-44 to the Red River crossing.
 - ND-54 from I-29 to the Red River.
 - ND-17 bridge over the Red River east of Grafton at mile post 138.
 - ND-5 from I-29 to the Red River east of Jolliette from mile post 332 to 335.
- The following highways have water over the roadway but traffic is allowed.
 - ND-9 mile post 35 one mile west of Wimbledon.
 - ND-46 at mile post 6, four miles west of Gackle.
 - ND-13 three miles west of Verona.
 - ND-1 at the South Dakota border.
 - ND-20 one-half mile south of Webster.
 - US-2 east bound lanes, 12 miles west of Devils Lake at mile post 257.
- The following highways have water in one lane, reducing the roadway to one lane of traffic.
 - US-52 twelve miles east of Velva at mile post 129.5.
 - ND-13 two miles east of Lehr at mile post 244
 - ND-14 approximately four miles north of Upham

➤ Damages to Homes/Businesses

- No recent updates.

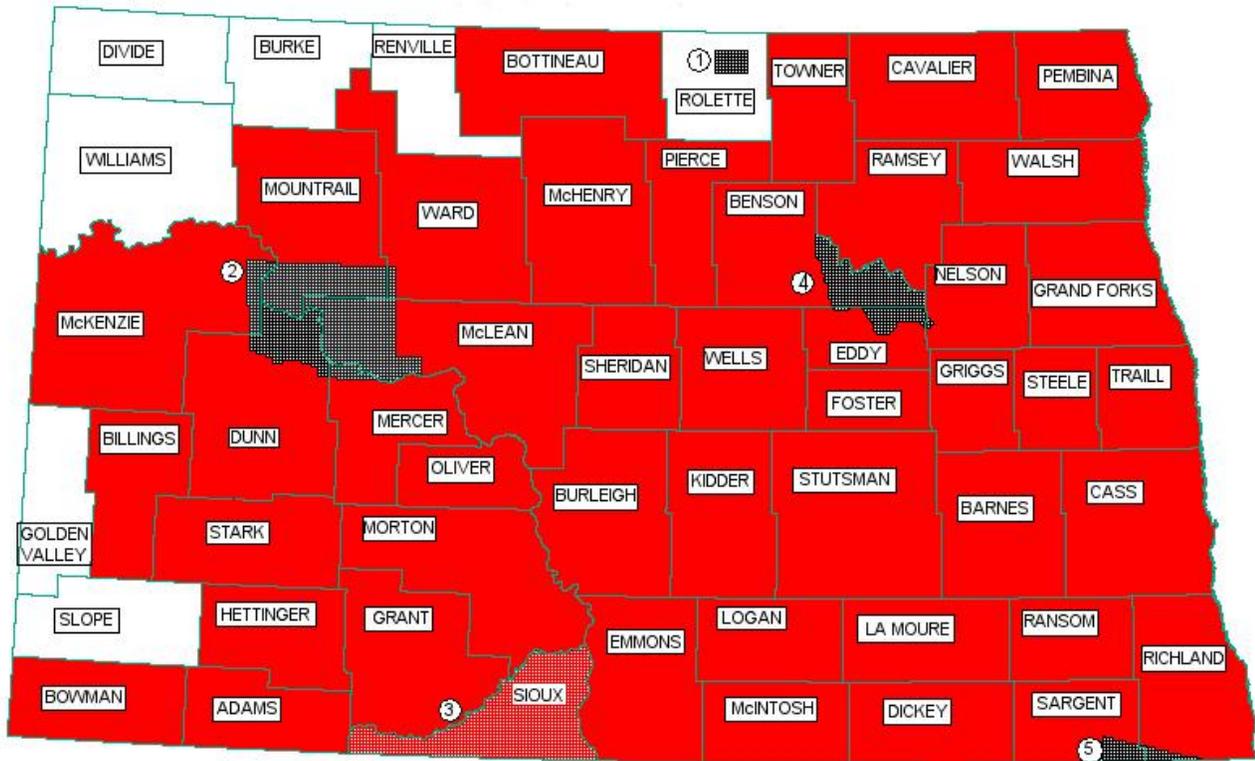
➤ Declarations (See map)

- Governor John Hoeven issued a statewide emergency declaration on March 13.
- The state was granted a Presidential Disaster Declaration for 34 counties and two Tribal Nations in North Dakota. – March 25
- The Presidential Disaster Declaration, issued March 24, has been expanded to include FEMA Individual Assistance (IA) for eligible applicants in the following counties: Adams, Barnes, Billings, Burleigh, Cass, Dickey, Emmons, Foster, Grand Forks, Griggs, Hettinger, Kidder, LaMoure, Logan, McIntosh, Mercer, Morton, Nelson, Ransom, Richland, Sargent, Steele, Stutsman, Towner, Traill and Williams. Other counties may be added for Individual Assistance after further evaluation. – April 10
- An additional 22 counties were added to the Presidential Disaster Declaration on April 10, 2009. Griggs, Steele, Towner and Traill were also added for Individual Assistance only. – April 22
- On April 23, three counties were added to the Presidential Disaster Declaration for the Individual Assistance Program (IA): McHenry, Pierce and Ward. Four counties and two tribal nations already designated for emergency protective measures, category B, have also been added for IA (Grant, Oliver, Stark and Walsh, the Spirit Lake and Standing Rock Indian Reservations). Eight counties and one tribal nation have been added for the Public Assistance Program (PA): Bottineau, Bowman, Eddy, McHenry, Mountrail, Pierce, Ward and Wells and the Sisseton-Wahpeton Oyate of the Lake Traverse Reservation.

Four counties already designated for IA have been added for PA (Griggs, Steele, Towner and Traill). Thirty-one counties and two tribal nations already designated for emergency protective measures have been added for PA {Categories A and C through G}: Adams, Barnes, Benson, Burleigh, Cass, Cavalier, Dickey, Dunn, Emmons, Foster, Grand Forks, Grant, Hettinger, Kidder, LaMoure, Logan, McIntosh, McKenzie, McLean, Mercer, Morton, Nelson, Oliver, Pembina, Ramsey, Ransom, Richland, Sargent, Sioux, Stutsman and Walsh and the Spirit Lake and Standing Rock Indian Reservations. All counties in North Dakota are eligible to apply for assistance under the Hazard Mitigation Grant Program (HMGP). – May 1

- County Declarations – Adams, Barnes, Benson, Billings, Bottineau, Bowman, Burleigh, Cass, Cavalier, Dickey, Dunn, Eddy, Emmons, Foster, Grand Forks, Grant, Griggs, Hettinger, Kidder, LaMoure, Logan, McHenry, McIntosh, McKenzie, McLean, Mercer, Morton, Mountrail, Nelson, Oliver, Pembina, Pierce, Ramsey, Ransom, Richland, Sargent, Sheridan, Sioux, Steele, Stutsman, Traill, Walsh, Ward and Wells.
- City Declarations – Argusville, Bismarck, Briarwood, Casselton, Center, Davenport, Devils Lake, Drayton, Enderlin, Frontier, Fargo, Frontier, Horace, Grafton, Grand Forks, Harwood, Hope, Jamestown, Kindred, Leonard, Mapleton, Napoleon, North River, Prairie Rose, Oakes, Oxbow, Neche, Pembina, Reiles Acres, Towner, Valley City, Wahpeton, Great Bend, Mooreton, Walcott, Barney, Fairmount, Dwight, Wyndmere, and Lidgerwood.
- Tribal Declarations - Turtle Mountain Band of Chippewa and Standing Rock Indian Reservation.

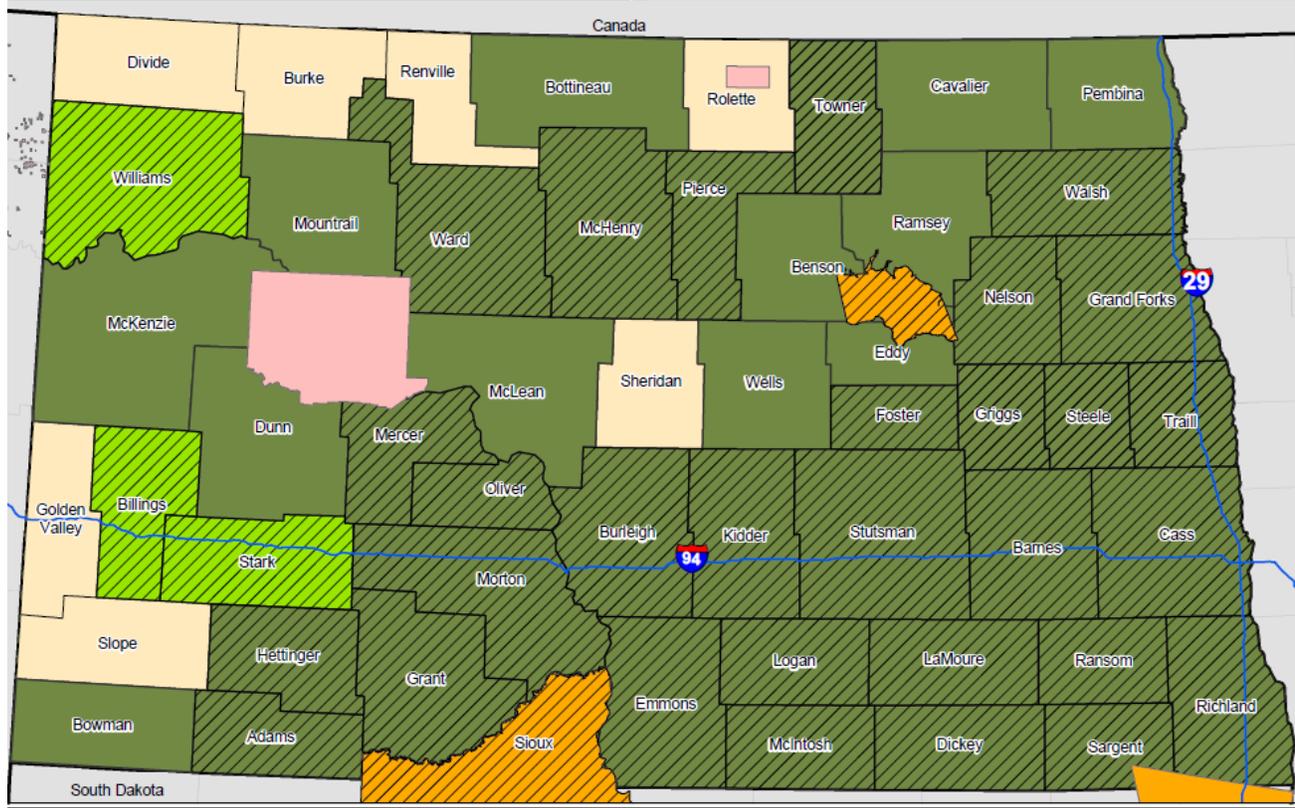
[Current County Declaration Map](#)



2009 Flood Declarations

- 1 Turtle Mountain
- 2 Three Affiliated Tribes
- 3 Standing Rock Sioux
- 4 Spirit Lake
- 5 Sisseton

Current FEMA-DR-1829-ND Declaration Map



Legend

-  IA Declared
-  Tribal
-  Tribal Public Assistance
-  Public Assistance (Category A-G)
-  Public Assistance (Category B)
-  North Dakota Counties

All counties in the State of North Dakota are eligible to apply for assistance under the Hazard Mitigation Grant Program.

Weather Forecast: WESTERN AND CENTRAL NORTH DAKOTA:

Today: A 50 percent chance of showers and thunderstorms after 1:00 p.m. Mostly cloudy with a high near 67. Breezy with a south wind 8 to 11 mph increasing to between 21 and 24 mph. Winds could gust as high as 33 mph. New rainfall amounts between a tenth and one-quarter inch. Higher amounts possible in thunderstorms.

Tonight: A 40 percent chance of showers and thunderstorms before 1:00 a.m. Mostly cloudy with a low around 42. South wind 10 to 17 mph becoming west.

Tuesday: Mostly sunny with a high near 68. West wind between 8 and 13 mph.

Tuesday Night: Partly cloudy with a low around 42. West wind between 6 and 10 mph.

Wednesday: Partly sunny with a high near 72. West wind 7 to 10 mph increasing to between 15 and 18 mph.

Wednesday Night: Mostly cloudy with a low around 42.

Thursday: Partly sunny with a high near 67.

Thursday Night: Mostly cloudy with a low around 41.

Friday: Partly sunny with a high near 62.

Friday Night: Mostly cloudy with a low around 40.

Saturday: Partly sunny with a high near 63.

Saturday Night: Mostly cloudy with a low around 39.

Sunday: A chance of showers. Mostly cloudy with a high near 63.

Weather Forecast: EASTERN NORTH DAKOTA:

Today: Mostly sunny, with a high near 68. Breezy, with a south wind 10 to 13 mph increasing to between 18 and 21 mph. Winds could gust as high as 29 mph.

Tonight: A 50 percent chance of showers and thunderstorms. Mostly cloudy with a low around 48. South wind between 13 and 18 mph with gusts as high as 25 mph. New rainfall amounts between a tenth and one-quarter inch. Higher amounts possible in thunderstorms.

Tuesday: A chance of showers, mainly after 1:00 p.m. Mostly cloudy with a high near 64. Southwest wind between 11 and 18 mph, with gusts as high as 26 mph. Chance of precipitation is 30 percent. New rainfall amounts of less than a tenth of an inch possible.

Tuesday Night: Mostly cloudy with a low around 42. West southwest wind between 7 and 13 mph.

Wednesday: A 20 percent chance of showers. Mostly cloudy with a high near 67. West wind between 7 and 11 mph.

Wednesday Night: Mostly cloudy, with a low around 43.

Thursday: A 20 percent chance of showers. Mostly cloudy with a high near 66.

Thursday Night: A slight chance of showers. Mostly cloudy with a low around 42.

Friday: A slight chance of showers. Mostly cloudy with a high near 59.

Friday Night: A slight chance of showers. Mostly cloudy with a low around 38.

Saturday: A slight chance of showers. Mostly cloudy with a high near 59.

Saturday Night: A slight chance of showers. Mostly cloudy with a low around 37.

Sunday: A chance of showers. Mostly cloudy with a high near 61.

River Forecasts by River Basin – Listing Includes Rivers Above Flood Stage

Rising= Steady= Falling=

Red River of the North

- Red River at Wahpeton  — 9.68 ft – **has dropped below the 10 ft flood stage** — Crested 15.2 ft on Apr 12
- Red River at Fargo  — 24.63 ft—Flood Stage 18 ft—Crested 34 ft on Apr 16
- Red River at Grand Forks  — 36.68 ft—Flood Stage 28 ft—Crested 44.27 ft on Apr 13
- Red River at Oslo  — 34.46 ft— Flood Stage 26 ft—Crested at 37.4 ft on Apr 13
- Red River at Drayton  — 40.57 ft—Flood Stage 32 ft—Crested at 43.09 ft Apr 16
- Red River at Pembina  — 49.35 ft—Flood Stage 42 ft—Crested at 52.57 ft Apr 16

Pembina River

- Pembina River at Neche  — 18.14 ft—Flood Stage 18 ft—Crest 21.6 ft on Apr 22.

Sheyenne River

- Sheyenne River at Valley City  — 14.61 ft—**has dropped below the 15 ft flood stage** — Crested at 20.58 ft Apr 17
- Sheyenne River at Lisbon  — 16.65 ft—Flood Stage 15 ft—Crested at 22.84 ft on Apr 16
- Sheyenne River at Kindred  — 20.91 ft—Flood Stage 16 ft—Crested at 21.22 ft on Apr 27
- Sheyenne River at W.F. Div  — 22.15 ft—Flood Stage 18 ft—Crested 22.54 ft on Apr 13
- Sheyenne River at Harwood  — 890.1 msl—Flood Stage 884 msl—Crested 891.25 Apr 13

James River Basin

- James River at Kensal  — 16.16 ft—Flood Stage 9 ft—Crest (no forecast)
- Pipestem Dam  — 1488.58 msl—Spillway elevation is 1,496.3 msl.
- Jamestown Dam  — 1,453.66 msl — Spillway elevation is 1,454 msl.
- James River at Jamestown  — 14.24 ft—Flood Stage 12 ft—Crest (no forecast)
- James River at LaMoure  — 14.1 ft— Flood Stage 14 ft—Crested at 17.3 ft on Apr 16
- James River at Ludden Dam  — 15.62 ft—Flood Stage 12 ft—Crest 18.2 ft on Apr 24

Devils Lake Basin

- Devils Lake  — 1,449.52 ft — continuing its record rise.
- Stump Lake  — 1,449.02 ft — continuing its record rise.

Souris River Basin

- Souris River at Towner  — 53.4 ft— Flood Stage 52 ft – Crested at 55.1 ft on Apr 27
- Souris River at Bantry  — 11.78 ft— Flood Stage 11 ft—Crest 14.4 ft Apr 21
- Willow Creek at Willow City  — 10.7 ft—Flood Stage 10 ft—Crested at 13.97 ft on Apr 16
- Souris River at Westhope  — 16.2 ft—Flood Stage 10 ft—Crest 16.2 ft on Apr 29

Resource/Assistance Requests

N.D. Board of Animal Health

- Carcass removal and disposal operations in Cass, Kidder and Morton Counties. (#588)
 - **ACCEPTED - NDNG**

N.D. National Guard (NDNG)

- One unit ministry team to work in the city of Jamestown up to two weeks to assist in ministry to troops. (#594)
 - ACCEPTED – EMAC

N.D. State Emergency Operation Center (SEOC)

- The Homeland Security Director requested a search and rescue (SAR) helicopter to back fill the USCG helicopter in Jamestown. (#595)
 - ACCEPTED – SEOC –Air Operations

Barnes County

- 60K generator to replace the current 100K generator; the 60K generator will be retained by Valley City State University until May 31. (#600)
 - ASSIGNED – NDNG

Ransom County

- Eight pumps and eight soldiers to operate and service pumps in Lisbon. Three pumps and two soldiers needed at Fort Ransom. (#601)
 - ACCEPTED - NDNG

Renville County

- One Crisafulli pump to pump out Skophammer Dam to repair damage caused by recent flooding. (#602)
 - ACCEPTED - NDDOT

Richland County

- City of Lidgerwood temporary dike removal. (#598)
 - ACCEPTED – USACE, St. Paul District

Stutsman County

- Current NDNG missions in Jamestown are as follows:
 - 8 personnel for public works support - assigned to Public Works (a reduction of 2)
 - 48 personnel for dike patrol (an increase of 2)
 - 54 personnel for Quick Reactionary Force/Evacuation (an increase of 5)
 - 8 personnel for Logistical Support (checking pumps, etc., a reduction of 4)
 - 6 personnel for traffic control - a new mission (an increase of 6)The staffing for these missions represents a net reduction of 20 soldiers or a total of 124. (#603)
 - ACCEPTED – ASSIGNED - NDNG

Detailed Reports

Refer to previous Incident Summaries, as necessary.

LOCAL

Stutsman County

- The combined 3,200 cfs rate of release has been chosen by USACE as the maximum amount of water that can be released due to sanitary sewer infrastructure impacts in the city of Jamestown. Combined releases of 3,200 cfs may be maintained until late May. – May 3
- The city of Jamestown has three major concerns during prolonged releases of 3,200 cfs:

1. Whether pump systems currently in place will be sufficient to pump accumulating storm water or overland flooding into the river to prevent city flooding.
 2. Will temporary dike systems stand up for the length of time necessary to reduce flood storage from the two dams.
 3. Will damages result from long term operation of the sanitary sewer system impacted by high infiltration rates. – May 3
- An evacuation tabletop exercise was conducted Monday, May 4, 9:00 a.m., at the Law Enforcement Center in Jamestown.– May 4
 - As of Friday, May 1, 7:00 p.m., the Public Information Center will be closed due to reduction in phone calls from the public. Calls will be forwarded to the Stutsman County Communications Center from 7 a.m. to 7 p.m. Saturday and Sunday. On Monday morning, calls will be forwarded to Central Valley Health District where calls will be answered during regular business hours. – May 3
 - As of Friday, May 1, 7:00 p.m., the EOC will be closed, but will remain on stand-by for immediate operations. – May 3
 - The next Interagency Meeting is scheduled for Monday, May 4th, 2:00 p.m. at the Stutsman County Law Enforcement Center. – May 3

Wells County

- The City of Cathay Mayor reported a broken water main, found April 22, under the Rocky Run Creek. The city of Carrington continues to truck water to the city of Cathay water tank. Cathay residents have been advised to conserve water. USDA Rural Development and NDHLS are checking for programs that may provide aid for repairs to the water system. – May 3

STATE

N.D. Division of Homeland Security (NDHLS)

- The Air/ Marine Operations Branch formally demobilized at close of business on Friday, May 1. Follow up and administrative activities (to include cost accounting and historical record consolidation) are currently underway. Operational assignments and tracking of air and marine missions have been transferred to NDHLS Operations. – May 3
- The N.D. Division of Homeland Security has scheduled Public Assistance Program and Hazard Mitigation Grant Program applicant briefings as follows:
 - Monday, May 4, 1:00-3:00 p.m., CDT, Bismarck Public Library, Room A, 515 N. 5th Street, Bismarck
 - Wednesday, May 6, 9:00-11:00 a.m., CDT, Farmers Union State Office, 1415 12th Avenue SE, Jamestown
 - Thursday, May 7, 9:00-11:00 a.m., CDT, Army National Guard Armory, 1501 48th Street S, Grand Forks
 - Thursday, May 7, 3:00-5:00 p.m., CDT, Minot Municipal Auditorium, 420 3rd Avenue SW, Minot
 - Friday, May 8, 9:00-11:00 MDT, Grand County Fair Building, 220 South Main St., Carson

State Water Commission (SWC)

- SWC staff met with city of Gackle officials (Stutsman County) regarding the city's sewage disposal ponds. High water from a small closed basin lake to the west of the city has inundated two main sewage disposal ponds. A third pond has not been inundated but is nearing capacity. The city is currently pumping sewage from a manhole into this pond. It does not appear to be practical to dike and drain the area around the sewage disposal ponds. SWC recommended new ponds and, if necessary, a lift station be constructed. The city has also contacted NDDoH. – May 3
- SWC reported there are 30 stages of record currently reported across the state with a volume of water never seen before the 2009 flood event. This may affect flood plain management within the state. – May 1

FEDERAL

U.S. Army Corps of Engineers (USACE)

- The USACE awarded Spruce Valley Corporation of Middle River, Minnesota a \$1,245,659.00 contract to remove sandbag levees located along the boundaries of Cass County, excluding the city of Fargo, ND. Work was expected to begin on Saturday, May 2, with project completion expected in 45 days. –May 3

VOLUNTARY AGENCIES

No current updates

Division of Homeland Security
Greg M. Wilz, Director

Division of State Radio
Mike Lynk, Director