



**09-003, Spring Flooding  
April 20, 2009  
1:25 p.m. CDT  
Incident Summary Report #51**

**Incident Overview**

*Summaries are published once daily after 1 p.m.*

*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 I (Full Activation)

Significant Events

- **Deaths/Injuries – as reported by the N.D. Department of Health**
  - Deaths – 2
  - Injuries – 235
  - Illnesses – 67
- **Rescues**
  - Rescues – 139
  - Animal Rescues – 135
- **Livestock Losses – estimated losses reported by the Farm Service Agency (FSA) and County Emergency Boards.**
  - Calves – 71,823
  - Cattle – 19,107
  - Horses – 180
  - Other Livestock – 2,948
  - 390 producers may be requesting assistance with carcass disposal. (Some producers may not meet eligibility – above normal death loss - for assistance requests) –April 19
- **Evacuations/Sheltering**
  - Open Shelters
    - Oriska School shelter population – 6 –April 20.
    - Shelters on standby – 3 - April 20
      - Sacred Heart Church, Sanborn
      - Lisbon School (independent shelter)
      - Jamestown High School
  - State Shelters on Stand-By -April 20
    - Horizon Middle School
    - Charity Lutheran Church
    - Century High School

- Hughes Administration Building
- Simle Middle School
- Bismarck High School
- Mandan Jr. High School
- Mandan High School
- State Reception Center on Stand-By – April 17
  - NDDoH Environmental Health Training Facility, Bismarck
- Pet Shelters
  - Currently open – 6 population-65 pets - April 20
  - Animal shelters on standby – 6 - April 19
  - Animals presently sheltered - 48 – April 19
- Sewage System Failure
  - Barnes County
    - The N.D. Department of Health (NDDoH) advised the Valley City sewer by-pass project is complete. Water restrictions remain in place due to high volume of flood water going into the sanitary sewer system, which is overtaxing the lift station. Three pumps are operating 24/7 at the lift stations to handle the volume. The city is predicting water restrictions will be in place for approximately 30 days -April 20
- Dike Reports
  - The U. S. Army Corps of Engineers (USACE) will complete its advanced measures projects and dike work in the city of Jamestown on April 20.
- Flooding
  - Cass County
    - Water continues to run over Hwy 46 and is beginning to pool south of the City of Davenport. – April 20
  - Pembina County
    - The county emergency manager indicated no homes will be in danger if water spills over the city of Walhalla dike. Water would only spread onto park district land. – April 19
  - Ransom County
    - The Fort Ransom dike continues to be monitored by the National Guard. —April 19
    - One home owner in northwestern Ransom County reported his well had collapsed due to flooding. – April 19
    - In Lisbon, National Guard soldiers continue 24/7 inspections of dikes. – April 19
    - Lisbon residents were reminded of the critical need to limit water usage. – April 19
- Dams
  - Cottonwood Creek Dam
    - The State Water Commission (SWC) reported rock fill has been placed across the spillway. This has reduced the flow over the erosion site, which appears to have stabilized. –April 20
  - Baldhill Dam
    - The U.S. Army Corps of Engineers, St. Paul District, reduced water discharge to 5,500 cubic feet per second (cfs) today at Baldhill Dam. Discharges will be evaluated on a daily basis by USACE water control hydrologists. – April 20
  - Jamestown – Pipestem Dams
    - Jamestown Dam releases - 1,600 cfs
    - Pipestem Dam - 1,200 cfs
    - Combined total - 2,800 cfs.

- The Corps will gradually increase flows until a combined release of 4,000 cfs is established. – April 19

## ➤ Roads

- N.D. Department of Transportation (NDDOT) load restrictions are effective 7:00 a.m. CST, Monday, April 20.
  - ND-22 south to the junction of ND-23 has been reduced from a 7-ton to a 6-ton restriction.
  - ND-23 from the junction of ND-1806 to three miles west of New Town, reduced from an 8-ton to a 6-ton restriction. - April 18
- ND Department of Transportation road report as of April 20:
  - The following highways are closed due to water damage:
    - ND-8 between the junction of US-12 and ND-21 at mile post 16.
    - ND-9 nine miles west of Kensal.
    - ND-200 near Hazen from the junction of ND-200A to the junction of ND-1806.
- The following highways are closed due to water over the roadway:
  - ND-27 directly east of the junction of ND-32 in Lisbon.
  - I-29 at mile post 179 east of Grafton – (Alexander Henry Rest Area closed).
  - I-94 eastbound Crystal Springs Rest area at Exit 221.
  - ND-66 from ND-44 to the Red River crossing.
  - ND-54 from I-29 to the Red River.
  - ND-17 bridge over Red River east of Grafton at mile post 138.
  - ND-5 from I-29 to the Red River east of Joliette from mile post 332 to 335.
  - ND-59 the Red River bridge crossing at Pembina.
  - ND-14 from the junction at US-2 to the junction at US-52.
  - ND-1 at the South Dakota border and at mile post 6 near Ludden.
  - ND-18 from the junction of ND-5 to the Canadian border.
  - ND-46 one mile west of Kindred at mile post 110.
- The following highways have water over the roadway, traffic is allowed.
  - ND-9 at mile post 35 one mile west of Wimbleton - speeds reduced to 25 mph.
  - I-29 southbound lane at Exit 215 near the Pembina interchange.
  - ND-18 four miles south of the junction of ND-46.
  - ND-13 three miles west of Verona.
  - ND-20 one-half mile south of Webster.
- The following highways have water in one lane reducing the roadway to one lane of traffic.
  - I-29 southbound lane from Manvel exit 152 to the Grafton interchange.
  - ND-9 mile post 41 near Courtenay.
  - ND-56 southbound lane at mile post 30, 13 miles south of Gackle.
  - I-29 southbound lane at mile post 72 south of Harwood.
  - ND-46 westbound lane at mile post 6, four miles west of Gackle.
  - ND-36 westbound lane at mile post 88, two miles west of Pingree.
  - ND-52 twelve miles east of Velva at mile post 129.5.
- Burleigh County
  - The Burleigh County Highway Department opened 66th Street between Lincoln Road and Highway 10. – April 19

## ➤ Damages to Homes/Businesses

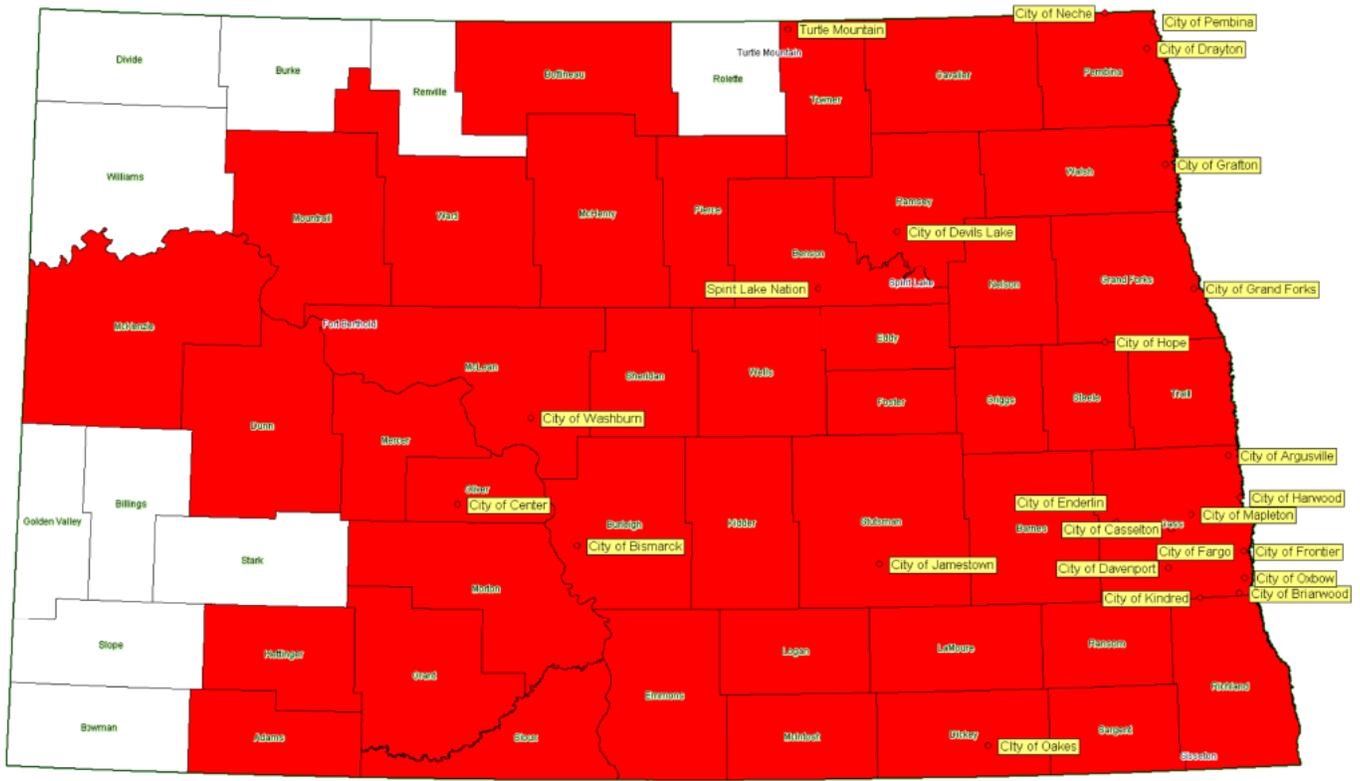
- No recent updates.

## ➤ Railroads

- No recent updates.

➤ **Declarations (See map)**

- 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
- The state was granted a Presidential Disaster Declaration for 34 counties and two Tribal Nations in North Dakota. – March 25
- Governor John Hoeven issued a statewide emergency declaration on March 13.
- County Declarations – Adams, Barnes, Benson, Bottineau, 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.



Weather Forecast: WESTERN AND CENTRAL NORTH DAKOTA:

**Today:** Mostly sunny, with a high near 61 and a northwest wind between 5 and 10 mph.

**Tonight:** Mostly cloudy, with a low around 34 and a north wind at 8 mph becoming south.

**Tuesday:** Partly sunny, with a high near 66 and a light wind becoming north between 13 and 16 mph. Winds could gust as high as 21 mph.

**Tuesday Night:** Mostly cloudy, with a low around 40 and a north wind between 11 and 14 mph.

**Wednesday:** Partly sunny, with a high near 78 and breezy, with a southeast wind 7 to 10 mph.

**Wednesday Night:** Partly cloudy, with a low around 44.

**Thursday:** Partly sunny, with a high near 67.

**Thursday Night:** A chance of showers and mostly cloudy, with a low around 38.

Weather Forecast: EASTERN NORTH DAKOTA:

**Today:** Cloudy, then gradually becoming mostly sunny, with a high near 52 and breezy, with a north northwest wind between 14 and 21 mph.

**Tonight:** Partly cloudy, with a low around 31 and a north northwest wind between 5 and 14 mph, with gusts as high as 21 mph.

**Tuesday:** Partly sunny, with a high near 55 and a north northwest wind between 6 and 15 mph, with gusts as high as 20 mph.

**Tuesday Night:** Partly cloudy, with a low around 35 and a north northwest wind between 11 and 14 mph becoming light.

**Wednesday:** Mostly sunny, with a high near 58 and breezy, with a south wind 6 to 9 mph increasing to between 17 and 20 mph.

**Wednesday Night:** Partly cloudy, with a low around 41.

**Thursday:** Partly sunny, with a high near 62.

**Thursday Night:** A chance of showers and mostly cloudy, with a low around 36.

River Forecasts

Rising= Steady= Falling=

**Major Flood Stage**

Red River Basin

- Red River at Fargo —32.29 ft—Flood Stage 18 ft—Crested 34 ft on Apr 16
- Sheyenne River at W.F. Div —22.39 ft—Flood Stage 18 ft—Crested 22.54 ft on Apr 13
- Red River at Harwood —891.1 msl—Flood Stage 884 msl—Crested 891.25 Apr 13
- Red River at Oslo —36.80 ft— Flood Stage 26 ft—Crested at 37.4 ft on Apr 13
- Red River at Drayton —42.58 ft—Flood Stage 32 ft—Crested at 43.09 ft Apr 16
- Red River at Pembina —52.22 ft—Flood Stage 42 ft—Crested at 52.57 ft Apr 16
- Pembina River at Neche —21.50 ft—Flood Stage 18 ft—Crest 21.6 ft on Apr 22.

Sheyenne River Basin

- Sheyenne River at Valley City —19.84 ft—Flood Stage 15 ft—Crested at 20.58 ft Apr 17
- Sheyenne River at Lisbon —21.70 ft—Flood Stage 15 ft—Crested at 22.84 ft on Apr 16

James River Basin

- James River at Kensal —14.83 ft—Flood Stage 9 ft—Crest (no forecast)
- Pipestem Dam —At Record Stage—1,490.71 msl
- Jamestown Dam —At Record Stage—1,451.77 msl

Souris River Basin

- Souris River at Towner —56.30 ft— Flood Stage 52 ft—Cresting today
- Souris River at Bantry —14.02 ft— Flood Stage 11 ft—Crest 14.4 ft Apr 21

### Devils Lake Basin

- Devils Lake  — 1,448.46 ft — continuing a slow steady rise—Record is 1449.2 ft
- Stump Lake  — at record stage 1,448.35 msl

### **Moderate Flood Stage**

#### Red River Basin

- Red River at Wahpeton  — 12.78 ft—Flood Stage 10 ft—Crested 15.2 ft on Apr 12
- Wild Rice River at Abercrombie  — 13.81 ft—Flood Stage 10 ft—Crested 20.32 ft on Apr 13
- Red River at Grand Forks  — 42.23 ft—Flood Stage 28 ft—Crested 44.27 ft on Apr 13
- Maple River at Mapleton  — 908.42 msl —Flood Stage 905 msl—Crested at 908.54 Apr 17
- Pembina River at Walhalla  — 16.61 ft—Flood Stage 11 ft—Crest today at 16.9 ft

#### Sheyenne River Basin

- Sheyenne River at Kindred  — 21.26 ft—Flood Stage 16 ft—Steady at 21 ft thru Apr 24

#### James River Basin

- James River at Ludden Dam  — 16.69 ft—Flood Stage 12 ft—Crest 18.2 ft on Apr 24

### **Minor Flood Stage**

#### Red River Basin

- Maple River at Enderlin  — 10.97 ft —Flood Stage 9.5 ft—Crested 13.02 ft on Apr 14

#### James River Basin

- James River at Grace City  — 13.47 ft —Flood Stage 12 ft—Crested at 17.47 ft on Apr 17
- Pipestem Creek at Pingree  — 10.74 ft—Flood Stage 9 ft — Crested Apr 15 at 13.41 ft
- James River at Jamestown  — 12.73 ft—Flood Stage 12 ft—Crest (no forecast)
- James River at LaMoure  — 15.89 ft—Flood Stage 14 ft—Crested at 17.3 ft on Apr 16

#### Souris River Basin

- Wintering River at Karlsruhe  — 8.27 Ft—Flood Stage 7ft—Crested at 9.19 ft on Apr 17
- Souris River at Bantry  — 12.80 ft — Flood Stage 11 ft —Crest 14.4 ft on Apr 21
- Willow Creek at Willow City  — 12.39 ft—Flood Stage 10 ft—Crested at 13.97 ft on Apr 16
- Souris River at Westhope  — 14.02 ft—Flood Stage 10 ft—Crest 16.1 ft on Apr 22

#### Missouri River Basin

- Apple Creek at Menoken  — 15.46 ft— Flood Stage 15 ft—Crested at 17.23 ft on Apr 14
- Little Missouri at Medora  — 15.81 ft—Flood Stage 15 ft —Crest 17 ft on Apr 19
- Cannonball River at Breien  — 14.61 ft—Flood Stage 10 ft—Crested 18.58 on Apr 16

### **Near Flood Stage**

#### Red River Basin

- Park River at Grafton  — 11.91 ft—Flood Stage 12 ft— Crested 15.85 ft. on Apr 16.

#### Missouri River Basin

- Beaver Creek at Linton  — 7.34—Flood Stage 9 ft — Crested 14.9 ft on Apr 12

### Resource/Assistance Requests

#### **U.S. Fish and Wildlife Service (USFWS)**

- One excavator (track hoe) and enough rock to fill the void at Tomahawk Dam. (#537)
  - **ACCEPTED - NDDOT**
- Two NDNG dump trucks to haul rock to Tomahawk Dam to shore up erosion. (#531)
  - **ASSIGNED - NDNG**

#### **N.D. Board of Animal Health**

- Collect and dispose of deceased animals. Life saving and property protection efforts will be accomplished before animal recovery.(#470)
  - **ASSIGNED – NDNG**

## N.D. State Emergency Operations Center (SEOC)

- One Blackhawk helicopter to transport the Governor, TAG and Governor's staff from the Cavalier Airport at 4:30 p.m. today and fly them to Neche and Pembina. (#539)
  - ASSIGNED – SEOC AIR OPERATIONS
- Recreational vehicle or trailer home for a base since motel rooms are not available in Valley City (#511)
  - ASSIGNED – SEOC AIR OPERATIONS

## N.D. State Water Commission

- Aerial photos of Lake LaMoure and Cottonwood Dam. (#534)
  - COMPLETE - SEOC AIR OPERATIONS
- UH-60 Blackhawk to transport two N.D. State Water Commission engineers. (#528)
  - ACCEPTED – NDNG
- Mission 1: Transport 200 empty sand bags to the city of LaMoure from Fargo.  
Mission 2: Transport 30 filled sand bags from Valley City to Lake LaMoure.  
Mission 3: Place sandbags at Lake LaMoure utilizing UH-60 and CH-47 Helicopters equipped with Harris radios. (#527)
  - ASSIGNED – NDNG
- Transport 1,200 cubic yards of riprap to Lake LaMoure. (#523)
  - ACCEPTED – NDNG
- Operators for county equipment at Lake LaMoure. (#522)
  - ACCEPTED – NDNG

## Barnes County

- Emergency repairs to several Valley City streets. (#532)
  - ACCEPTED - NDDOT
- NDNG mobile shower (bathing) unit - The town has no water running and needs a place for people to shower. (#530)
  - ASSIGNED - NDNG

## LaMoure County

- Assistance from the USACE at Lake LaMoure emergency spillway. (#526)
  - ASSIGNED -- USACE - Omaha District

## McHenry County

- One bridge inspector. (#538)
  - ASSIGNED - NDDOT
- Coordination with the National Guard for reconnaissance of two temporary bridges (#512)
  - ACCEPTED – NDNG

## Pembina County

- Two trucks from the National Guard to assist with dike re-enforcement. (#536)
  - ASSIGNED - NDNG
- Three, 3-inch pumps and one, 4-inch pump to the city of Neche. (#533)
  - ASSIGNED - NDNG
- Ten soldiers for Quick Response Force; three soldiers for traffic control points; and twelve soldiers for dike patrol. (#524)
  - ACCEPTED – NDNG

## Stutsman County

- National Guard to preposition 12 one-ton sandbags at the Jamestown Municipal Airport (#535)
  - ASSIGNED – ND JOC
- Four public information officers to assist the County Public Information Center. (#525)
  - ASSIGNED - FEMA

- One 700kw and three 80kw generators to maintain sewer lift station operation in the event of a power outage in the city of Jamestown. (#521)
  - ASSIGNED – USACE, Omaha District
- National Guard to assist in various aspects of the flood fight to include: dike patrol, liaison, traffic control, and a quick reactionary force. (#519)
  - ASSIGNED – NDNG

**Detailed Reports**

*Refer to previous Incident Summaries, as necessary.*

**LOCAL**

**Barnes County**

- Tomahawk Dam has breached due to erosion. An excavator and rock fill has been sent to the site to repair the dam/road structure and mitigate potential damage to downstream roadways. – April 20
- The Board of Commissioners allowed residents of the town of Kathryn to return home. Erosion at the Clausen Spring Dam has stabilized. – April 19
- The county EOC, in collaboration with Moore Engineering, has determined the flow at Clausen Springs Dam has diminished enough to end NDNG monitoring. – April 19
- As of Saturday afternoon, the city of Valley City remains without sewer service. There are approximately 400 portable toilets dispersed throughout the city. Pipe has been ordered for construction of a temporary sewer bypass. Use of the sewer system is banned. The city water system is still charged and water is safe to drink. – April 18

**Dickey County**

- Large round hay bales are floating in the James River and becoming lodged at a bridge near Ludden. A report from the NDDOT indicates operators have been able to use the tines of a loader and move the bales out of the way. A pay loader was sent to assist. – April 19

**Grant County**

- Heart Butte Dam is expected to continue receding; BOR is releasing 3,830 cfs. South side mobile homes are still flooded. The mobile homes are recreation retreats and are not occupied at this time. – April 18

**Kidder County**

- A 20 year old man missing since 5:00 a.m. was located mid-afternoon when he contacted the Kidder County Sheriff's Office. He was reported missing while enroute to his father's Rugby residence. — April 19

**Pembina County**

- The USACE continues work on the dike at Neche. Dike work should be complete on or about April 20th. The water from Windy Gates is expected to reach Neche on April 20<sup>th</sup> or 21<sup>st</sup>. – April 20
- The Mayor of Neche requested a mission extension for NDNG trucks currently on site until the evening of April 19. The Pembina River flow remains steady at 5,000 cfs and overland flooding is a concern for areas south and east of Neche. – April 19

**Ransom County**

- Lisbon dike levels have been increased to 25 feet; a few small leaks are being repaired as they appear. Contractors obtained for dike construction and maintenance have been released but will be remobilized if necessary. – April 19

### Wells and Eddy Counties

- 1,000 filled sandbags are available in Wells County and approximately 3,000 filled sandbags are available in Eddy County; a loader is available if requested. – April 19

### **STATE**

#### N.D. Department of Agriculture

- The North Dakota Department of Agriculture (NDDA) has materials and information to help agricultural producers, pesticide retailers and applicators dealing with flood and weather damaged pesticides. NDDA's toll-free number is (800) 242-7535. – April 20

#### N.D. Department of Emergency Services (NDDDES)

- The Evacuation/Mass Care/Sheltering plans in support of local governments have been developed in coordination with the N.D. Department of Human Services (NDDHS), N.D. National Guard, NDDOT, FEMA, N.D. Department of Health (NDDoH), N.D. Highway Patrol and the Bureau of Criminal Investigation (BCI) in conjunction with host city/backup sheltering for the cities of Jamestown, LaMoure, Lisbon and Valley City. – April 20

#### N.D. Department of Human Services

- South Central Human Service Center will reopen on Tuesday, April 21, 2009, at the former Job Service North Dakota building in Jamestown; offices were relocated due to the threat of flooding.
- Vocational rehabilitation services staff will begin providing training and employment services for people with disabilities on Monday, April 20 on the third floor of the State Hospital's Learning Resource Center.
- Consumers who need directions to the new locations may call the human service center at 701-253-6300 (TTY 701-253-6414). The vocational rehabilitation service office can be reached at 701-253-6388. Individuals in crisis can call the center's Crisis Line at 701-253-6304 or toll free 1-800-260-1310.

#### N.D. National Guard (NDNG)

The following is a summary of recent activities:

- Requested mission stand-down from monitoring Operations at Clausen Springs Dam and Tomahawk Dam. Permission granted to stand-down on both dams. – April 19
- Provided 136 soldiers to the city of Jamestown. – April 17
- Continued to staff stations in Harwood and Kindred and patrol the culvert 2 miles south of Davenport. – April 17
- One dozer, one pay loader, and two, 5 ton dump trucks to Neche. – April 17
- [State Emergency Operation Center - Air Operations](#)
- A USFW air boat crew was enroute to check on an elderly woman in Richland County who may need to be evacuated. – April 18

### **FEDERAL**

#### Federal Emergency Management Agency (FEMA)

- FEMA Mass Care Staff is reviewing county mass care plans for possible gaps in shelter capacity, pet capacity, and special needs capacity; focus will be concentrated on areas with the threat of possible additional flooding. – April 20
- FEMA has set up a portable radio repeater in Lisbon to assist with rescue missions in the area. – April 19.

## United States Coast Guard (USCG)

- Coast Guard units assisting city, state and other federal resources:
  - One Disaster Assistance Response Team (DART) from Marine Safety Detachment St. Paul, MN.
  - One DART from MSD Quad Cities in Rock Island, Ill.
  - One MH-65C rescue helicopter and crew from Air Station New Orleans.
  - One HH-65C rescue helicopter and crew from Air Station Traverse City, Mich.
  - One HH-65C rescue helicopter from Traverse City, Mich.
  - One HH-65C rescue helicopter from Air Station Detroit, Mich.
  - One airboat and crew from Station Sault Sainte Marie, Mich.
  - One airboat and crew from Station Saginaw, Mich.
  - One airboat and crew from Station Marblehead, Ohio.
  - One airboat and crew from Station Sturgeon Bay, Wis.
  - One small boat and crew from the Coast Guard Cutter Scioto.
  - One small boat and crew from the Coast Guard Cutter Sangamon.

## **VOLUNTARY AGENCIES**

### American Red Cross (ARC)

- ARC has requested a transfer of excess property, which has been approved for direct transfer by FEMA. Supplies will continue to be staged in Bismarck or Jamestown. Once received, the Red Cross may share water with other agencies. Additional excess supplies may be posted on the National Donations Management System/Aid Matrix. – April 19

### General Information

- North Dakota cities affected by this spring's flooding need your help. The State of North Dakota has established a donations management web site, [www.nd.gov/des/donations](http://www.nd.gov/des/donations), and hotline, 1-877-422-0062, to help connect people wanting to donate to voluntary agencies in need of their donations. – April 19

**Division of Homeland Security**  
**Greg M. Wilz, Director**

**Division of State Radio**  
**Mike Lynk, Director**