



Fire Department

DATE: January 23, 2024

FROM: Gary Stockert, Emergency Manager

ITEM: CRS Program - Annual Re-certification.

REQUEST:

Continue participation in the Community Rating System (CRS) program and submit annual re-certification documentation. Request to provide the City Commission and the public with the attached information regarding the status (continuation) of CRS activities. The attached documentation is requested by the ISO/CRS Specialist for purposes of re-certification.

BACKGROUND INFORMATION:

The required annual CRS re-certification documentation (attached) has been completed and is due for submission by February 1, 2024. As part of the annual re-certification process, attached is the annual progress report regarding the status of flood mitigation action items as outlined in the city's 2020 Multi-Hazard Mitigation Plan. Information regarding the CRS program and availability of the flood mitigation progress report is made available through a news release as well as the city's website to provide for public awareness of the CRS program, including the opportunity for a 15% discount on flood insurance premiums for Bismarck residents and those within the ETA.

RECOMMENDED CITY COMMISSION ACTION:

Receive and accept the CRS program re-certification documentation attached, including the annual progress report, and provide the required signature on the CC-213 Community Rating System Annual Re-Certification form.

STAFF CONTACT INFORMATION:

Joel Boespflug, Fire Chief, 701-355-1423, jboespflug@bismarcknd.gov

ATTACHMENTS:

1. CRS Recertification - Signature Required
2. Program Data Table - CRS
3. CRS Community Certifications
4. CRS Activity 310 - 2023 Elevation Certificates Summary
5. CRS Activities 540 CDR and 540 SBM
6. Annual Flood Mitigation Progress Report

DEPARTMENT OF HOMELAND SECURITY
Federal Emergency Management Agency

OMB Control Number: 1660-0022
Expiration: 10/31/2023

CRS COMMUNITY CERTIFICATIONS

Community _____ State _____ CID _____
(6-digit NFIP Community Identification Number)

Note: Please cross out any incorrect items, below, as needed, and insert the updated information.

CC-213 Recertification

Recertification due date _____

Chief Executive Officer

CRS Coordinator

Name

Title

Address

Phone number

E-mail address

I hereby certify that _____ [community name] is implementing the following activities on the attached pages as credited under the Community Rating System and described in our original application to the CRS and subsequent modifications.

I hereby certify that, to the best of my knowledge and belief, we are in full compliance with the minimum requirements of the NFIP and we understand that we must remain in full compliance with the minimum requirements of the NFIP. We understand that at any time we are not to be in full compliance, we will retrograde to a CRS Class 10.

I hereby certify that we will continue to maintain FEMA Elevation Certificates on all new buildings and substantial improvements constructed in the Special Flood Hazard Area following the date at which we joined the CRS.

I hereby certify that if there are one or more repetitive loss properties in our community that we must take certain actions that include reviewing and updating the list of repetitive loss properties, mapping repetitive loss areas, describing the cause of the losses, and sending an outreach project to those areas each year, and if we have fifty (50) or more unmitigated repetitive loss properties we must earn credit under Activity 510 (Floodplain Management Planning) for either a repetitive loss area analysis (RLAA) or a floodplain management plan (FMP).

I hereby certify that, to the best of my knowledge and belief, we are maintaining in force flood insurance policies for insurable buildings owned by us and located in the Special Flood Hazard Area (SFHA) shown on our Flood Insurance Rate Map. I further understand that disaster assistance for any community-owned building located in the SFHA is reduced by the amount of National Flood Insurance Program (NFIP) flood insurance coverage (structure and contents) that a community should be carrying on the building, regardless of whether the community is carrying a policy.

Signature _____ (Chief Executive Officer)

Date _____

CC-213-1

[continued on next page]

Community _____ State _____ CID _____
 (6-digit NFIP Community Identification Number)

CRS Program Data Table	A. In the SFHA	B. In a regulated floodplain outside the SFHA	C. In the rest of the community
1. Last report's number of buildings in the SFHA (bSF) (line 6, last report)			
2. Number of new buildings constructed since last report	+		
3. Number of buildings removed/demolished since last report	-		
4. Number of buildings affected by map revisions since last report (+ or -)			
5. Number of buildings affected by corporate limits changes (+ or -)			
6. Current total number of buildings in the SFHA (bSF) (total lines 1-5)			
7. Number of substantial improvement/damage projects since last report			
8. Number of repetitive loss properties mitigated since last report			
9. Number of LOMRs and map revisions (not LOMAs) since last report			
10. Acreage of the SFHA (aSFHA) as of the last report (line 13, last report)			
11. Acreage of area(s) affected by map revisions since last report (+ or -)			
12. Acreage of area(s) affected by corporate limits changes (+ or -)			
13. Current acreage of the SFHA (total lines 10-12)			
14. Primary source for building data:			
15. Primary source for area data:			
16. Period covered:		Current FIRM date	
<i>If available, the following data would be useful:</i>			
17. Number of new manufactured homes installed since last report			
18. Number of other new 1 -4 family buildings constructed since last report			
19. Number of all other buildings constructed/installed since last report			

Comments:

(Please note the number of the line to which the comment refers.)

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

Your community has been verified as receiving CRS credit for the following Activities.

- If your community is still implementing these activities the CRS coordinator is required to put his or her initials in the blank (do not use a checkmark or an "X") and **attach** the appropriate items. A blank with no initials indicates you are not implementing that Activity anymore, and will result in loss of points (and possible CRS Class).
- If the word "**attached**" is used you must provide the requested documentation for that Activity. If no documentation has been acquired for that Activity, please explain why there is no documentation from the past year.



310 EC: We are maintaining Elevation Certificates, Floodproofing Certificates, Basement Floodproofing Certificates, V Zone design certificates and engineered opening certificates on all new construction and substantially improved buildings in our Special Flood Hazard Area (SFHA) and make copies of all Certificates available at our present office location. Initial here is you have had no new construction or substantial improvement in the SFHA in the last year.



310 EC: **Attached is the permit list for only new or substantially improved structures in the SFHA that have been completed in the last year.** We have permitted 5 new building and substantial improvements in the SFHA during this reporting period.



310 EC: **Attached are all the Certificates for new or substantially improved structures that have been completed during this reporting period that are included on the above permit list.** (Note: The total number of Elevation and Floodproofing certificates should match the number of permits issued and completed within the reporting period defined above. All permits issued for new construction or substantial improvement within the V zone should have both an Elevation Certificate and a V Zone Certificate, and all buildings with basements within the basement exemption communities should have both an Elevation Certificate and a Basement Floodproofing Certificate).



310 CCMP: We continue to follow our Construction Certificate Management Procedures and update them when needed.



350 LIB/LPD: Our public library continues to maintain flood protection materials.



350 WEB: We continue to conduct an annual review and update of the information and links in our flood protection website.



420 OSP: We continue to preserve our open space in the floodplain.

COMMUNITY RATING SYSTEM ANNUAL RECERTIFICATION

[Handwritten initials]

430: We continue to enforce the floodplain management provisions of our zoning, subdivision and building code ordinances for which we are receiving credit. Initial here if you have amended your floodplain regulations. **Attach a copy of the amended regulations, provide a summary of the changes and mark up the regulations indicating what's been changed.**

[Handwritten initials]

430 RA: We continue to enforce our procedures for administering our floodplain management regulations. If applicable, we also continue to employ CFMs and staff who took credited training courses. We currently have 2 CFMs on staff.

[Handwritten initials]

440 AMD: We continue to use and update our flood data maintenance system on an annual basis as needed.

[Handwritten initials]

450 SMR: We continue to enforce the stormwater management provisions of our zoning, subdivision and building code ordinances for new developments in the watershed. Initial here if you have amended your stormwater management regulations that will impact your CRS program. **Attach a copy of the amended regulations, provide a summary of the changes and mark up the regulations indicating what's been changed.**

[Handwritten initials]

450 ESC: We continue to enforce the provisions of our stormwater or other codes as they pertain to erosion and sediment control.

[Handwritten initials]

450 WQ: We continue to enforce the provisions of our stormwater or other codes as they pertain to water quality.

[Handwritten initials]

510 FMP: **Attached is a copy of our floodplain management plan's annual progress report for the action items contained in the plan.** We have included a progress report template for you to use (in the email notification) if you don't have one of your own.

[Handwritten initials]

510 FMP: We have provided copies of the progress report for our floodplain management plan to our governing board and local media.

[Handwritten initials]

540 CDR: We continue to implement our drainage system maintenance program.

[Handwritten initials]

540 CDR: **Attached is one completed copy of a typical inspection report and one completed copy of the record that shows that any needed maintenance was performed on the credited components of our natural drainage system.**

[Handwritten initials]

540 SBM: We continue to implement our storage basin maintenance program.

[Handwritten initials]

540 SBM: **Attached is a copy of a typical storage basin inspection report and a copy of the record that shows that any needed maintenance was performed.**



January 8, 2024

CRS ACTIVITY 310 (ELEVATION CERTIFICATES)

Building Permit Summary

As of the date of this report, five (5) building permits for new construction projects located in the special flood hazard area, AE zone were closed within the (2/01/2023 - 2/01/2024) reporting period. Attached are copies of the finished construction elevation certificates and applicable Review-Correction Memos for each of the building permits listed below.

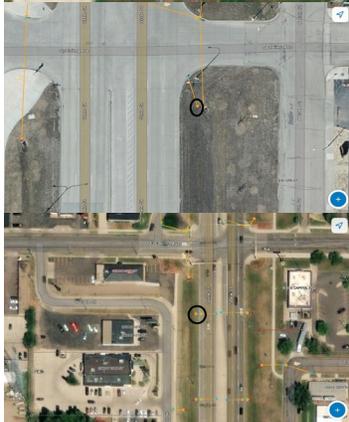
Building Permit List

<u>Permit Number</u>	<u>Address</u>	<u>Building Type</u>	<u>Issued</u>	<u>Closed</u>
BRES2022-0394	6927 Horseshoe Bend	Residential	7/20/22	8/25/23
BRES2022-0469	3127 Gallatin Dr	Residential	8/25/22	4/27/23
BCOM2022-0259	4101 Hagen Ave	Non-Residential	11/03/22	12/26/23
BRES2021-0504	5223 Fernwood Dr	Residential	7/01/21	3/08/23
BRES2022-0511	3485 Gallatin Dr	Residential	8/09/22	9/20/23

Attachments:

- Elevation Certificate and Review-Correction Memo_6927 Horseshoe Bend
- Elevation Certificate_3127 Gallatin Dr
- Elevation Certificate_ and Review-Correction Memo 4101 Hagen Ave
- Elevation Certificate and Review-Correction Memo_5223 Fernwood Dr
- Elevation Certificate_3485 Gallatin Dr



Location	Description	Gis Location Map	Before Repairs	After Repairs
Ash Coulee Dr	Moderate upstream erosion with shrub and tree overgrowth. Outfall replaced with catch basin.			
4019 Platinum St	Erosion has undercut concrete swale. Rock has been added.			
4102 Nebraska Dr. First outfall north of E Calgary Ave.	Excessive sediment buildup. Sediment has been removed.			
Hwy 83, south of Brookside Ln in median.	Top of CMP crushed and flows were restricted. Top of pipe was removed.			
State St/Spalding Ave	Flared end and pipe obstructed by sediment. Sediment has been removed.			
State St/ N 12th St	Outfall was covered with dirt by landscaping crews during State St reconstruction. Dirt has been removed.			

Community Rating System (CRS) Activity 510

Progress Report on Implementation of Credited Plan

Credited Plan: Hazard Mitigation Plan

Date this Report was Prepared: January 9, 2024

Name of Community: City of Bismarck, ND CID: 380149

Name of Plan: Bismarck Multi-Hazard Mitigation Plan

Date of Adoption of Plan: January 12, 2021.

5 Year CRS Expiration Date: February 1, 2027

Bismarck Multi-Hazard Mitigation Plan Availability:

The 2020 Bismarck Multi-Hazard Mitigation Plan, addressing the flood hazard and other hazards, is available on the city's website located on the Emergency Management "Get Prepared" page at <https://www.bismarcknd.gov/DocumentCenter/View/22621/Bismarck-MHMP-2020-Public?bidId=>

The 2020 Bismarck Multi-Hazard Mitigation Plan is also made available to the public via the City of Bismarck website at www.bismarcknd.gov on the home page within **Services, Flood Resources**. Also, citizens or other interested parties may contact the Bismarck Emergency Management office at 701-222-6727 to obtain a copy.

1. CRS 510 Progress Report Development and Dissemination:

This CRS Activity 510 flood mitigation progress report (Progress Report) is developed by Gary Stockert, City Emergency Manager (and CRS Program Coordinator) in cooperation with representatives from other city departments including Administration, Community Development, and Public Works. This Progress Report is made available to the city commission, media and general public via news release and media advisory to inform of the CRS Activity 510 progress report agenda item placed on the January 23, 2024 City Commission Meeting. The commission meeting minutes remain available via the city's website within the "Agenda Center" and "Archive Center" permanently. The flood mitigation annual Progress Report is also made available to the public via the City of Bismarck website at www.bismarcknd.gov on the home page within **Services, Flood Resources**. It is also published for a period of time within the **News** on the homepage.

2. Implementation Status of Flood Hazard Mitigation Action Items:

Status of Flood Mitigation Action Items as identified in the 2020 Bismarck Multi-Hazard Mitigation Plan	Status
1. Apply to participate in the National Flood Insurance Program (NFIP) Community Rating System (CRS).	Completed. Approved as Class 8 initially. Upgraded to Class 7 in 2023. Effective Date (flood policy insurance reductions) is October 1, 2017.
2. Apex Engineering has been contracted to conduct a preliminary investigation into solutions to reduce urban flooding in south Bismarck in the Expressway and South 12 th Street areas.	Completed. Identified infrastructure project solutions were completed in 2017 to reduce flooding in this area. This project addresses those vulnerable areas as identified in the mitigation plan including 12 th street (University Drive to Bismarck Expressway) and Bismarck Expressway from 7 th Street to 12 th Street.
3. Continue Watershed master planning and updating as an on-going mitigation activity conducted jointly by Engineering, Public Works, and Community Development.	Completed and on-going. Annual funds are allocated within the budget (approx. 60K) for continuous updating of the master plan.
4. Develop an Emergency Action Plan for Jackman Coulee Dam #2. (Tom O’Leary Golf Course)	Completed in 2020.
5. Conduct maintenance activities at Jackman Coulee Dam #2 (Tom O’Leary Golf Course) as recommended by the State Water Commission and/or annual inspections conducted by Bismarck Public Works.	Complete and On-Going. Annual inspections are completed for all outfalls, dam, and ponds related to the Jackman Coulee Dam #2 located at the Tom O’Leary Golf Course.
6. Maintain existing flood protective measures to minimize vulnerability as a result of ice jams as well as 100-year and 500-year flood events. Note: Refers to maps (Figures 1 thru 5) within “existing mitigation”	Complete and On-Going. All flood gate structures are exercised and maintained annually.
<p>Public Education Topics:</p> <p>7. Coordinate and/or support NFIP flood insurance promotional efforts including the availability of flood insurance for community residents and businesses.</p> <p>8. Conduct Flood Mitigation and Preparedness Public Education efforts for local citizens and businesses.</p>	<p>- Flood preparedness and mitigation public education materials are maintained within the city’s website as well informational materials readily available at various locations including the Bismarck Library and 2nd Floor of City County Building (Community Development).</p> <p>March 15, 2023: News Release disseminated to local media regarding availability of flood insurance, including discount available due to CRS Class 7 rating. Also noted availability of the flood mitigation plan and flood progress report.</p> <p>March 15, 2023: Same as above shared via Facebook and Twitter.</p> <p>Feb thru May, 2023: FEMA Flood Insurance Preliminary Rate Map 90-Day Appeal Period notice via website.</p> <p>March 24, 2023: Share NWS flood outlook information via Facebook.</p>

	<p>December 7, 2023: Repetitive Loss Area Outreach letter sent to applicable residents.</p> <p>January 23, 2024: Inform public of flood progress report availability via media news release and posting the progress report to the city's website.</p>
New Flood Mitigation Action Items Identified in the 2020 Bismarck Multi-Hazard Mitigation Plan.	Status
Pursue CRS Class 7 rating (increase from class 8).	The City of Bismarck completed the CRS application process as part of the standard 5-Year cycle in 2023. FEMA informed the City of Bismarck of the increase to a Class 7 for the CRS program based on the verification report provided by the Insurance Services Office (ISO).
Provide protection to the wastewater treatment plant outfall: Place control structures along the wastewater treatment plant outfall near the Tavis structure and the river to protect the wastewater treatment plant from inundation when river levels at Bismarck gage station rise to 13'.	The project is currently under design. Project construction is anticipated to occur throughout 2024.

3. Additional Planned, Recommended, or Mitigation Project Revisions:

- To address flood hazard vulnerability as identified in the previous and current Multi-Hazard Mitigation plan, Public Works has enhanced the pumping capabilities at the 7th and 9th Street underpasses to alleviate urban flooding impact during major rain events. Pumping equipment at the 7th street location was replaced in 2019.
- ND State Water Commission is coordinating with FEMA and Burleigh County to conduct a review of the Burleigh County FEMA Flood Insurance Rate Maps. Bismarck will be supporting that project as necessary. The review process itself and completion of an updated flood risk map will inform applicable future mitigation action items. Adoption of the preliminary Flood Insurance Rate Maps is anticipated to occur in 2024.
- The City of Bismarck (Engineering), with the assistance of hazard mitigation grant funding, has conducted preliminary planning and design of flood damage reduction solutions for the South Washington Street Closure/Wachter Drainage Channel area. A number of structures are expected to be added to the Special Flood Hazard Area (100-Year Floodplain) as a result of the ongoing FEMA RiskMAP Project for Burleigh County, including the City of Bismarck.
- FEMA announced Bismarck is a recipient of Hazard Mitigation Assistance grant funding to construct improvements that will mitigate the risk of flooding within Bismarck. Preliminary design and securing additional funding is anticipated to occur in 2024.