



Please complete and submit to your project manager.

Reporting Period: [X] January 1 through June 30 (Due August 1)
[ ] July 1 through December 31 (Due February 1)

All information is required by the U.S. Environmental Protection Agency (EPA) and the Minnesota Pollution Control Agency (MPCA). Do not leave blanks (unless otherwise noted). This report form can be typed using your computer. Use the "tab" key to move through the fields of this form. Enter responses using text and check boxes as indicated. Keep a copy for your records.

I. General Report Information

- 1. Project title: WF Des Moines River TMDL Implementation Project
2. Project sponsor (Grantee): Heron Lake Watershed District
3. Contact name: Jan Voit, District Administrator
4. E-mail address: jan.voit@mysmbs.com
5. Funding: [X] 319 [ ] CWP [ ] Clean Water Fund [ ] Other:
6. Contract number: 37241
7. MPCA Project Manager: Katherine Pekarek-Scott
8. Effective date (mm/dd/yyyy): 1/1/2011 Expiration date (mm/dd/yyyy): 8/30/2015

II. Semi-annual Report Information

1. Project activities completed during last six (6) months according to the program objectives or tasks (please be specific):

Objective 1. Task A. Conduct Level III Inventory

- Met with Al Langseth, Nobles County Feedlot Officer (CFO) on January 2, 2014 at 9:00 am to conduct feedlot inspections. All scheduled inspections were total confinement hog barns. A total of five inspections were conducted. Manure management plans (MMPs) were reviewed for each site.
Met with Jon Bloemendaal, Murray CFO on January 15, 2014 at 9:30 am to conduct feedlot inspections. A total of five inspections were conducted with two of the sites having open lots and the other three being total confinement hog barns or having no livestock.
Met with Jake Grages, Jackson CFO on January 22, 2014 at 9:00 am to review MinnFARM results and make compliance determinations for inspections done in the past. Results were discussed in detail and scenarios were simulated using the MinnFARM program.
Met with Jon Bloemendaal, Murray CFO on January 28, 2014 at 10:00 am to choose inspection sites for the week of February 10-14, 2014. A total of five inspections were scheduled.
Met with Jake Grages, Jackson CFO on February 5, 2014 at 9:00 am to choose inspection sites for the week of February 17-21, 2014. A total of six inspections were scheduled for February 19, 2014. Three were total confinement hog barns and three had open lots.
Met with Jon Bloemendaal, Murray CFO on February 12, 2014 at 9:30 am to conduct feedlot inspections. A total of five inspections were conducted.
Met with Jake Grages, Jackson CFO on February 19, 2014 at 10:30 am to conduct feedlot inspections. Three inspections were cancelled. A total of three inspections were conducted.
Met with Al Langseth, Nobles CFO on February 20, 2014 at 9:00 am to choose inspection sites for the week of March 3-7, 2014. Inspections were scheduled for March 3 and March 6, 2014. Inspection sites were total confinement hog barns. A total of seven sites were inspected between the two days.
Met with Al Langseth, Nobles CFO on March 3, 2014 at 8:30 am to conduct feedlot inspections. A total of four sites were inspected. All sites were total confinement.

- Met with Jake Grages, Jackson CFO on March 4, 2014 at 9:00 am to choose inspection sites for the week of March 17-21, 2014. A total of six inspections were scheduled for March 20, 2014.
- Met with Al Langseth, Nobles CFO on March 6, 2014 at 9:00 am to conduct feedlot inspections. A total of two sites were inspected. One producer cancelled.
- Met with Jon Bloemendaal, Murray CFO on March 11, 2014 at 10:00 am to choose inspection sites for the week of March 24-28, 2014. A total of six inspections were scheduled for March 25, 2014.
- Met with Jake Grages, Jackson CFO on March 20, 2014 at 8:30 am to conduct feedlot inspections. A total of five inspections were conducted. One site was total confinement. One producer cancelled.
- Met with Jon Bloemendaal, Murray CFO on March 25, 2014 at 9:30 am to conduct feedlot inspections. A total of six inspections were conducted. One site was deactivated and two sites were primarily total confinement operations.
- Met with Al Langseth, Nobles CFO on April 3, 2014 at 9:30 am to choose inspection sites for the week of April 14-18, 2014. A total of five inspections were scheduled for April 16, 2014.
- Met with Jon Bloemendaal, Murray CFO on April 9, 2014 at 11:00 am to choose inspection sites for the week of April 21-25, 2014. A total of five inspections were scheduled for April 22, 2014.
- Met with Jake Grages, Jackson CFO on April 10, 2014 at 9:00 am to choose inspection sites for the week of April 21-25, 2014. A total of seven inspections were scheduled for April 23, 2014.
- Met with Al Langseth, Nobles CFO on April 16, 2014 at 8:30 am to conduct feedlot inspections. A total of five inspections were conducted.
- Met with Al Langseth, Nobles CFO on April 21, 2014 at 9:30 am to conduct measurements on feedlots inspected on April 16, 2014. Measurements are gathered to run MinnFARM.
- Met with Jon Bloemendaal, Murray CFO on April 22, 2014 at 9:30 am to conduct feedlot inspections. A total of five inspections were conducted. Three sites were total confinement and two sites had open lots.
- Met with Jake Grages, Jackson CFO on April 23, 2014 at 8:30 am to conduct feedlot inspections. A total of seven inspections were conducted. Three sites were total confinement, two sites had no livestock barns, and two sites had open lots.
- Met with Al Langseth, Nobles CFO on April 24, 2014 at 3:30 pm to discuss MinnFARMS. The MinnFARMS were from inspections conducted on April 16, 2014. Sites were analyzed to determine better management practices.
- Met with Jon Bloemendaal, Murray CFO on June 2, 2014 at 9:30 am to conduct feedlot inspections. A total of seven inspections were conducted.
- Met with Jon Bloemendaal, Murray CFO on June 3, 2014 at 9:30 am to conduct feedlot inspections. A total of seven inspections were conducted.
- Met with Jake Grages, Jackson CFO on June 4, 2014 at 2:30 pm to choose inspections sites for the week of June 9-13. Inspections were scheduled for June 10, 2014.
- Met with Jakes Grages, Jackson CFO on June 10, 2014 at 11:00 am to conduct feedlot inspections. A total of three inspections were conducted.
- Met with Becky Alexander, Cottonwood CFO on June 23 at 10:00 am to introduce the new Watershed Coordinator.
- Met with Jon Bloemendaal, Murray CFO on June 24 at 10:30 am to introduce the new Watershed Coordinator.
- Met with Jake Grages, Jackson CFO on June 25 at 9:00 am to introduce the new Watershed Coordinator and to conduct feedlot inspections. A total of four inspections were conducted.
- Met with Al Langseth, Nobles CFO on June 26 at 9:30 am to introduce the new Watershed Coordinator.

#### Objective 2. Task A. Website

- The web page was updated on May 19, 2014.

#### Objective 2. Task C. Conduct Semi-Annual Meetings

- Semi-annual meeting was conducted at the Heron Lake Watershed District (HLWD) office on June 17, 2014 at 10:00 am.

#### Objective 3. Task A. Watershed Coordinator

- Worked on Surface Water Assessment Grant (SWAG) during the first two weeks of the month. The request for proposal (RFP) was due on January 17, 2014. The application was submitted on January 16, 2014.
- Attended HLWD Board Meeting on January 21, 2014 at 7:00 pm. The managers were updated on the progress of the feedlot inspection process, major watershed project, and the status of the Clean Water Fund (CWF) grant.
- Attended Jackson County Water Plan Committee Meeting on January 23, 2014 at 10:00 am. Gave a PowerPoint presentation about the feedlot inspection process and statistics regarding compliant and non-compliant feedlots.
- Attended the Winter Crops and Soils Day in Luverne on February 4, 2014. The event was sponsored by the Southwest

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Research and Outreach Center. Topics covered at the session included corn and soybean pesticide, herbicide, planting tips, economic outlook for the 2014 growing season, how to manage land to achieve greater water use efficiency, and soil fertility and biology and its effects on corn yield.

- Attended an all staff grant work plan meeting at the HLWD on February 10, 2014 at 10:00 am. The purpose of the meeting was to review all work plans for grants that the HLWD is currently undertaking. Expenditures were reviewed and change orders and amendments were discussed.
- Attended the Crop Nutrient Management Conference on February 11, 2014 in Mankato. Morning sessions focused on crop nitrogen requirements, timing of nitrogen applications, and reducing nitrogen in surface waters. Afternoon sessions focused on on-farm research, conservation tillage, and nutrient management techniques.
- Revised the budget for West Fork Des Moines River (WFDNR) Total Maximum Daily Load (TMDL) Implementation Project Grant on February 13, 2014.
- Worked on the CWF work plan and submitted it in eLINK on February 18, 2014.
- Attended HLWD board meeting on February 18, 2014 at 7:00 pm. The managers were updated on the progress of the feedlot inspection process, major watershed project large partner meeting, and the CWF and SWAG.
- Attended a Commercial Animal Waste Technician Workshop in Slayton on March 12, 2014 at 9:30 am. The workshop covered topics related to manure application setbacks and environmental regulations, licensing requirements for commercial haulers, and biosecurity. A presentation was given about the new swine disease outbreak, Porcine Epidemic Diarrhea Virus (PEDV). The outbreak is new and the primary method of transmission is through manure, highlighting the importance of informing commercial applicators and agency personnel of the virus.
- Attended HLWD board meeting on March 25, 2014 at 7:00 pm. The managers were updated on the progress of the feedlot inspection process, major watershed project, and the CWF and SWAG process.
- Attended a District 8 Land Use Meeting on April 9, 2014 at 9:00 am in Slayton. The meeting included employees from local agencies as well as county officials. Each attendee explained what they have been working on, or new issues they have encountered since the last meeting, and any other activity in the county. Kiel Tschumperlin explained the upcoming Major Watershed Project and informed them about the CWF grant and the scope of the project.
- Attended a workshop on Protecting Farmland and Improving Water Quality with Structural Practices on April 17, 2014 at 9:00 am in St. Cloud. Topics covered at the workshop GIS tools, how to move from project identification to implementation, landowner interaction strategies, and construction oversight.
- Attended HLWD board meeting on April 22, 2014 at 7:00 pm. The managers were updated on the progress of the feedlot inspection process, major watershed project, and the CWF and SWAG process.
- Attended HLWD board meeting on May 20, 2014 at 8:00 pm. Gave a report on the feedlot inspection process, major watershed project, and the CWF and SWAG grants.
- Attended a team building session for the HLWD on June 9, 2014 at 6:00 pm to discuss team building and positive thinking between staff and the board.
- Attend HLWD board meeting on June 17, 2014 at 2:00 pm. The board was given an update on the inspection process, preparation for the new watershed coordinator, and the direction of the major watershed project.
- The new watershed coordinator, Amanda Schultz began on June 23, 2014.

#### Objective 3. Task B. Reporting

- The annual report was approved on January 9, 2014.
- Work began on the semi-annual report on June 9, 2014.

#### 2. List all products (documents, pamphlets, videos, maps, etc.) produced in this reporting period:

- Project updates for January, February, March, April, May, and June
- PowerPoint presentation for the Semi-Annual Meeting

#### 3. Challenges faced (optional):

The Watershed Coordinator submitted his resignation on April 17, 2014. The job description was updated. An advertisement was created. These documents were sent to the Personnel Committee the same day. Dale Bartosh and Mike McCarvel contacted me on April 21, 2014 and gave permission to begin the hiring process. The advertisement was sent to the Tri County News and Daily Globe. Information regarding the position was distributed to colleges on April 21, 2014.

The application deadline for the watershed coordinator position ended on May 15, 2014. Four applications were received. One was incomplete and one did not merit an interview. The interviews were held on May 29, 2014. References were checked on June 2, 2014 and an offer was made. Amanda Schultz accepted the position. She began her Watershed Coordinator position on June 23, 2014.

**4. Summary of monitoring data collected (if applicable):**

n/a

**4a. Have all monitoring stations been established in EQUIS?**  Yes  No  N/A

**4b. Are the data being routinely submitted for storage into EQUIS?**  Yes  No  NA

If yes, last submittal date (mm/dd/yyyy): \_\_\_\_\_

**5. Are the Best Management Practices data being annually entered into eLINK)?**  Yes  No  N/A

If yes, date last entered (mm/dd/yyyy): \_\_\_\_\_

**6. Describe specific (quantifiable, if possible) results achieved during this period:**

Entire Watershed – 281 Sites Inspected

177 Open Lots

62 Total Confinement or No Discharge Sites

28 Deactivated Sites or No Lots Present or Under 10 AU

Open Lots – 177 sites inspected

- Avg. MinnFARM index – 11.7

- Compliant Sites – 92

- Non-Compliant Sites – 85

- Total sites with Surface H2O within 1000 feet – 118

- Compliant Sites – 57

- Non-Compliant Sites – 61

- Total sites in Shoreland – 34

- Compliant Sites – 14

- Non-Compliant Sites – 20

Total Confinements & No Discharge Sites – 62 sites inspected

- Total Compliant Sites – 62

- Total sites with Surface H2O within 1000 feet – 28

- Total sites in Shoreland – 7

Entire Watershed – 239 Active Sites

- Avg. MinnFARM index – 11.7

- Total Compliant Sites – 154

- Total Non-Compliant Sites – 85

- Total sites with Surface H2O within 1000 feet – 146

- Compliant Sites – 85

- Non-Compliant Sites – 61

- Total sites in Shoreland – 41

- Compliant Sites – 21

- Non-Compliant Sites – 20

Phosphorus Load Reduction:  n/a  lbs./year

Nitrogen Load Reduction:  n/a  lbs./year

