

Outdoor Heritage Fund Grant Application



The purpose of the North Dakota Outdoor Heritage Fund is to provide funding to state agencies, tribal governments, political subdivisions, and nonprofit organizations, with higher priority given to projects that enhance conservation practices in this state by:

Directive A. Providing access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improving, maintaining and restoring water quality, soil conditions, plant diversity, animal systems and by supporting other practices of stewardship to enhance farming and ranching;

Directive C. Developing, enhancing, conserving and restoring wildlife and fish habitat on private and public lands; and

Directive D. Conserving natural areas and creating other areas for recreation through the establishment and development of parks and other recreation areas.

Exemptions

Outdoor Heritage Fund grants may not be used to finance the following:

- A. Litigation;
- B. Lobbying activities;
- C. Any activity that would interfere, disrupt, or prevent activities associated with surface coal mining operations; sand, gravel, or scoria extraction activities; oil and gas operations; or other energy facility or infrastructure development;
- D. The acquisition of land or to encumber any land for a term longer than twenty years; or
- E. Projects outside this state or projects that are beyond the scope of defined activities that fulfill the purposes of Chapter 54-17.8 of the North Dakota Century Code.

NO CONSIDERATION:

In addition to those specific items in law that are ineligible for funding, in the absence of a finding of exceptional circumstances by the Industrial Commission, the following projects will NOT receive consideration for funding:

- A completed project or project commenced before the grant application is submitted;
- A feasibility or research study;
- Maintenance costs;
- A paving project for a road or parking lot;
- A swimming pool or aquatic park;
- Personal property that is not affixed to the land;
- Playground equipment, except that grant funds may be provided for up to 25% of the cost of the equipment not exceeding \$10,000 per project and all playground equipment grants may not exceed 5% of the total grants per year (see Budget Form for how this will be calculated);
- Staffing or outside consultants except for costs for staffing or an outside consultant to design and implement an approved project based on the documented need of the applicant and the expenditures may not exceed 5% of the grant to a grantee if the grant exceeds \$250,000 and expenditures may not exceed 10% of the grant to a grantee if the grant is \$250,000 or less (see Budget Form for how this will be calculated);

- A building except for a building that is included as part of a comprehensive conservation plan for a new or expanded recreational project (see Budget Form for definition of comprehensive conservation plan and new or expanded recreational project); or
- A project in which the applicant is not directly involved in the execution and completion of the project.

Application Deadline

Applications for this grant round cycle are due on **November 1, 2016 at 5:00 p.m. CT.** All information, including attachments, must be submitted by that date. See instructions below for submission information.

Instructions

Please download this Word document (available on the Industrial Commission/Outdoor Heritage Fund Program website at <http://www.nd.gov/ndic/outdoor-infopage.htm>) to your computer and provide the information as requested. You are not limited to the spacing provided except in those instances where there is a limit on the number of words. After completing the application, save it and attach it to an e-mail and send it to outdoorheritage@nd.gov or print it and mail it to the address noted in the next paragraph.

Attachments in support of your application may be sent by mail to North Dakota Industrial Commission, ATTN: Outdoor Heritage Fund Program, State Capitol – Fourteenth Floor, 600 East Boulevard Ave. Dept. 405, Bismarck, ND 58505 or by e-mail to outdoorheritage@nd.gov. The application and all attachments must be received or postmarked by the application deadline. You will be sent a confirmation by e-mail of receipt of your application.

You may submit your application at any time prior to the application deadline. Early submission is appreciated and encouraged to allow adequate time to review your application and ensure that all required information has been included. Incomplete applications may not be considered for funding. **Any item noted with an * is required.**

Oral Presentation. Please note that you will be given an opportunity to make a ten-minute Oral Presentation at a meeting of the Outdoor Heritage Fund Advisory Board. These presentations are strongly encouraged.

Open Record. Please note that your application and any attachments will be open records as defined by law and will be posted on the Industrial Commission/Outdoor Heritage Fund website.

Name of Organization: LaMoure County Water Resource District

Federal Tax ID#: 45-0355951

Contact Person/Title: Marvin Schulz/Chairman

Address: PO Box 128

City: LaMoure

State: ND

Zip Code: 58458

E-mail Address: joshulz@drtel.net

Web Site Address (Optional)

Phone: 701-830-0532 701-493-2863

Fax # (if available) 701-883-4514

List names of co-applicants if this is a joint proposal

None

MAJOR Directive: (select the Directive that best describes your grant request)*

Choose only one response

Directive A. Providing access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

Directive B. Improving, maintaining and restoring water quality, soil conditions, plant diversity, animal systems and by supporting other practices of stewardship to enhance farming and ranching;

Directive C. Developing, enhancing, conserving and restoring wildlife and fish habitat on private and public lands; and

Directive D. Conserving natural areas and creating other areas for recreation through the establishment and development of parks and other recreation areas.

Additional Directive: (select the directives that also apply to the grant application purpose)*

Choose all that apply

Directive A. Providing access to private and public lands for sportsmen, including projects that create fish and wildlife habitat and provide access for sportsmen;

X Directive B. Improving, maintaining and restoring water quality, soil conditions, plant diversity, animal systems and by supporting other practices of stewardship to enhance farming and ranching;

X Directive C. Developing, enhancing, conserving and restoring wildlife and fish habitat on private and public lands; and

X Directive D. Conserving natural areas and creating other areas for recreation through the establishment and development of parks and other recreation areas.

Type of organization: (select the category that describes your organization)*

- State Agency
- Political Subdivision
- Tribal Entity
- Tax-exempt, nonprofit corporation.

Project Name:

LaMoure County Dam Reparation Project

Abstract/Executive Summary. An Executive Summary of the project stating its objectives, expected results, duration, total project costs and participants.* (no more than 500 words)

Three dams in LaMoure County are presently in various states of disrepair. In recent years, seepage around and through the control structures on these dams have resulted in decreased water levels and loss of supporting fill material around the outlet structures. The three dams all are equipped with a low-level draw down feature which is essential in maintaining/improving water quality. All three reservoirs contain viable fish populations that have provided recreational opportunities for the general public for over 40 years. Additionally, these three reservoirs all have boat ramps which are maintained by local entities. If proper maintenance is not conducted on these structures, the fisheries and associated wildlife habitats will be compromised and corresponding recreational areas and opportunities greatly reduced or lost.

Schlenker Dam (Sec 1, T 136 N R 66 W) was constructed in 1970 and currently supports a viable fishery consisting of bluegill, yellow perch, and northern pike. Several years ago a separation developed between the outlet pipe and the steel riser. Water along with associated fill along the riser has leaked through this separation resulting in water loss and the formation of a sink hole around the riser itself.

Kulm-Edgeley Dam (Sec 14, T 135 N R 65 W) was constructed in 1968 and currently supports a viable fishery consisting of walleye, northern pike, and yellow perch. The dam itself and associated property is a state wildlife management area. Additionally, a small primitive campground as well as a vault toilet exists at this recreational site. A separation has developed between the outlet pipe and concrete riser (similar to Schlenker Dam) through which water and associated fill material along the riser has been lost resulting in water loss and the formation of a sinkhole along the concrete riser.

Schlecht-Thom Dam (Sec 3, T 135 N R 65 W) was constructed in 1968 and currently supports a viable fishery consisting of northern pike, bluegill, and yellow perch. Holes have developed (rust) in the steel riser in which water and a limited amount of fill material currently leaks resulting in reduced pool levels.

The objective of this project is to carry out the necessary reparations to these dams so that they can continue to support viable fish populations and provide wildlife habitat so that corresponding recreational opportunities that have existed for decades will not be lost.

This is a joint effort between the LaMoure County Water Resource District, North Dakota Game and Fish Department and North Dakota State Water Commission. Local participants include Dakota Anglers and Kulm Rod and Gun Club.

Project Duration: 11-12 weeks

Amount of Grant request: \$135,000

Total Project Costs \$180,000

(Note that in-kind and indirect costs can be used for matching funds)

A minimum of 25% Match Funding is required. Amount of Matching Funds:

Please indicate if the matching funds will be in-kind, indirect or cash.

\$45,000 (cash)

Source(s) of Matching Funds

Please provide verification that these matching funds are available for your project. Note that effective as of July 1, 2015 no State General Fund dollars can be used for a match unless funding was legislatively appropriated for that purpose.

North Dakota State Water Commission.....	\$25,874
North Dakota Game & Fish.....	\$9,564
LaMoure County Water Resource District.....	\$9,562

Certifications

I certify that this application has been made with the support of the governing body and chief executive of my organization.

I certify that if awarded grant funding none of the funding will be used for any of the exemptions noted on Page 1 of this application.

Narrative

Organization Information – Briefly summarize your organization’s history, mission, current programs and activities. *

Include an overview of your organizational structure, including board, staff and volunteer involvement. (no more than 300 words)

LaMoure County Water Resource District has five board members appointed by the County Commission and they are: Marvin Schulz, Chairman, Albin Schlencker, Larry Laney, Jr., Kerry Ketterling, and Glenn Haugen. Tonya Duffy is the Water Resource District Attorney and Janice Hamlin is the Secretary/Treasurer. Our board meets quarterly, and periodically in between, if complaints are filed and need to be addressed. Our main purpose is to be responsible for water management, drainage and flood control issues. In doing so, we strive to be efficient, effective, and respectful to all parties involved.

Purpose of Grant – Describe the proposed project identifying how the project will meet the specific directive(s) of the Outdoor Heritage Fund Program *

Identify project goals, strategies and benefits and your timetable for implementation. Include information about the need for the project and whether there is urgency for funding. Please indicate if this is a new project or if it is replacing funding that is no longer available to your organization. Identify any innovative features or processes of your project. If your project includes tree/shrub/grass planting, please provide a planting plan describing the site design, planting methods, number of trees/shrubs by species and stock size, grass species and future maintenance. A statement certifying that the applicant will adhere to USDA-NRCS tree/shrub/grass planting specifications along with the name of the governmental entity designing the planting may be substituted for a planting plan. If your project includes Section 319 program funding, please provide, in detail, the specific best management practices that will be implemented and the specific projects for which you are seeking funding. Please note that if your proposal provides funding to an individual, the names of the recipients must be reported to the Industrial Commission/Outdoor Heritage Fund. These names will be disclosed upon request.

The goal of this project is to repair the structures (dams) in which provide the resource. The resource can be defined as that area which provides 1) habitat for aquatic life including sportfish populations, waterfowl production, 2) upland game bird and furbearer habitat (WMA, reservoir use easements of adjacent land) 3) non-game wildlife habitat (song birds, reptiles, amphibians, etc.) 4) public use facilities (parking areas, toilets, boat ramps, docks, camping and picnic areas).

The state water commission will ultimately be responsible for the task of repairing these dams.

Management of Project – Provide a description of how you will manage and oversee the project to ensure it is carried out on schedule and in a manner that best ensures its objectives will be met.

Include a brief background and work experience for those managing the project.

The state water commission will ultimately be responsible for the task of repairing these dams. They have the engineering resources as well as construction resources to complete the projects.

Evaluation – Describe your plan to document progress and results. *

How will you tell if the project is successful? Please be specific on the methods you will utilize to measure success. Note that regular reporting, final evaluation and expenditure reports will be required for every grant awarded.

Upon completion of the reparations, an inspection will be made to determine whether or not the repairs resulted in stopping the seepage, leaks, and departure of fill material. Less fluctuations in pool level should result in a lowering of environmental extremes.

Financial Information

ATTACHMENT: Project Budget – Using the standard project budget format that is available on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> , please include a detailed total project budget that specifically outlines all the funds you are requesting. Note that a minimum of 25% match funding is required.*

The project budget should identify all matching funds, funding sources and indicate whether the matching funds are in the form of cash or in-kind services. Effective July 1, 2015 no State General Fund dollars can be used for a match unless funding was legislatively appropriated for that purpose. As noted on the standard project budget format, certain values have been identified for in-kind services. Please utilize these values in identifying your matching funds. **NOTE: No indirect costs will be funded.**

I certify that a project budget will be sent to the Commission*

Sustainability – Indicate how the project will be funded or sustained in future years. *

Include information on the sustainability of this project after all the funding from the Outdoor Heritage Fund has been expended and whether the sustainability will be in the form of ongoing management or additional funding from a different source.

The partnership between the LaMoure County Water Resource District, ND State Water Commission, North Dakota Game and Fish Department as well as local entities will continue/resume. O & M will be the responsibility of the partnership.

Partial Funding – Indicate how the project will be affected if less funding is available than that requested. *

A prioritization will occur and allocations will be directed to the outlet structure(s) exhibiting the most advanced state of deterioration/failure.

Partnership Recognition - If you are a successful recipient of Outdoor Heritage Fund dollars, how would you recognize the Outdoor Heritage Fund partnership? * Please note it is a requirement that there be signage at the location of the project acknowledging the funding from the Outdoor Heritage Fund if appropriate for your project.

New signs will be erected at each dam recognizing all partners involved. Local newspapers/media will be notified when repairs are completed and conditions return to normal.

Scoring of Grants

All applications will be scored by the Outdoor Heritage Fund Advisory Board after your ten-minute oral presentation. The ranking sheet(s) that will be used by the Board is available on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> .

Awarding of Grants*

All decisions on requests will be reported to applicants no later than 30 days after Industrial Commission consideration. The Commission can set a limit on duration of an offer on each application or if there isn't a specific date indicated in the application for implementation of the project, then the applicant has until the next Outdoor Heritage Fund Advisory Board regular meeting to sign the contract and get the project underway or the commitment for funding will be terminated and the applicant may resubmit for funding. Applicants whose proposals have been approved will receive a contract outlining the terms and conditions of the grant. Please note the appropriate sample contract for your organization on the website at <http://www.nd.gov/ndic/outdoor-infopage.htm> that set forth the general provisions that will be included in any contract issued by the North Dakota Industrial Commission. Please indicate if you can meet all the provisions of the sample contract. If there are provisions in that contract that your organization is unable to meet, please indicate below what those provisions would be.

None known.

Responsibility of Recipient

The recipient of any grant from the Industrial Commission must use the funds awarded for the specific purpose described in the grant application and in accordance with the contract. The recipient cannot use any of the funds for the purposes stated under Exemptions on the first page of this application.

If you have any questions about the application or have trouble submitting the application, please contact Karlene Fine at 701-328-3722 or kfine@nd.gov

Revised: December 16, 2015

Budget Standard Form

Please use the table below to provide a detailed total project budget that specifically outlines all the funds you are requesting and the matching funds being utilized to fund this project. Please note if the matching funds are in the form of cash, indirect costs or in-kind services. The budget should identify all other committed funding sources and the amount of funding from each source. Match can come from any source (i.e. private sources, State and Federal funding, Tribal funding, etc.) Effective as of July 1, 2015 no State General Fund dollars can be used for a match unless funding was legislatively appropriated for that purpose. Note a minimum of 25% match funding is required. An application will be scored higher the greater the amount of match funding provided. (See Scoring Form.)

Please feel free to insert columns and rows as needed. Please include narrative to fully explain the proposed budget.

Note that NO INDIRECT COSTS will be funded from the Outdoor Heritage Fund. Also by law several items are ineligible for funding -- see Exemptions in the Application Form. Effective June 10, 2015 the following guidelines were approved by the Industrial Commission:

NO CONSIDERATION:

In addition to those specific items in law that are ineligible for funding, in the absence of a finding of exceptional circumstances by the Industrial Commission, the following projects will NOT receive consideration for funding:

- A completed project or project commenced before the grant application is submitted;
- A feasibility or research study;
- Maintenance costs;
- A paving project for a road or parking lot;
- A swimming pool or aquatic park;
- Personal property that is not affixed to the land;
- Playground equipment, except that grant funds may be provided for up to 25% of the cost of the equipment not exceeding \$10,000 per project and all playground equipment grants may not exceed 5% of the total grants per year; (See Definitions/Clarifications below)
- Staffing or outside consultants except for costs for staffing or an outside consultant to design and implement an approved project based on the documented need of the applicant and the expenditures may not exceed 5% of the grant to a grantee if the grant exceeds \$250,000 and expenditures may not exceed 10% of the grant to a grantee if the grant is \$250,000 or less; (See Definitions/Clarifications below)
- A building except for a building that is included as part of a comprehensive conservation plan for a new or expanded recreational project; (See Definitions/Clarifications below)
- A project in which the applicant is not directly involved in the execution and completion of the project.

Project Expense	OHF Request	Applicant's Match Share (Cash- SWC)	Applicant's Match Share (Cash-NDGF)	Applicant's Match Share (Cash-LCWRD)	Total Each Project Expense
Kulm-Edgeley Dam repair	\$33750	\$8437	\$1407	\$1406	\$45,000
Schlenker Dam repair	\$33750	\$8437	\$1407	\$1406	\$45,000
Schlecht-Thom Dam repair	\$67500	\$9000	\$6750	\$6750	\$90,000
	\$	\$	\$	\$	\$
	\$	\$	\$	\$	\$
	\$	\$	\$	\$	\$
Total Costs	\$135000	\$25874	\$9564	\$9562	\$180000

DRAW TEXT BOX FOR DETAILS HERE:

As requested, we have prepared preliminary cost estimates for repair work on these three projects. These estimates are based on the SWC using our construction staff and equipment to perform the work.

Kulm-Edgeley Dam: \$45,000; 3 weeks;

Recreational Project, Dam safety issue eligible for UP TO 75% cost share.

On this project, the issue is separation of the first joint in the concrete conduit downstream from the outlet structure.

This project would involve constructing a coffer dam around the outlet structure, excavating down to the conduit, realigning the pipe, constructing a concrete collar around the pipe, backfilling the excavation and removing the coffer dam.

Schlenker Dam: \$45,000; 3 weeks;

Recreational Project, Dam safety issue eligible for UP TO 75% cost share.

On this project, the issue is a crack at the joint between the CMP riser and the conduit. This crack is allowing water to leak into the riser which is carrying embankment material causing a sinkhole around the outlet structure.

This project would involve constructing a coffer dam around the outlet structure, excavating to expose the riser to its full height and constructing a concrete sleeve around the riser sealing off the leak, backfilling the excavation and removing the coffer dam. This has the added benefit of preventing future leaks through the aging CMP material.

Schlecht-Thom Dam: \$90,000; 5 weeks;

Recreational Project, Non-Dam safety issue eligible for UP TO 40% cost share.

On this project, the issue is pinholes through the CMP riser and it appears that there may be a displacement between the two pieces of the riser, similar to the issue at Heinrich-Martin Dam which was addressed last year. These haven't led to a sink hole yet.

This project would involve constructing a coffer dam around the outlet structure, excavating to expose the riser to its full height and constructing a concrete sleeve around the riser sealing off the leaks, backfilling the excavation and removing the coffer dam. This has the added benefit of preventing future leaks through the aging CMP material. This project is significantly more costly than the other two due to the riser structure being 20 feet deep at this dam.

At both Schlenker and Schleicht-Thom dams, the low-level draw down valves are heavily rusted, and having been installed in 1988 are reaching the end of their service lives. It would probably make sense to replace these valves when these projects are undertaken. The project costs given above do not include replacing these valves. However, costs to replace the valves would be insignificant by comparison to the primary project costs, probably less than \$1,000 each if done at the same time as primary project.

In-kind services used to match the request for Outdoor Heritage Fund dollars shall be valued as follows:

- Labor costs \$15.00 an hour
- Land costs Average rent costs for the county as shown in the most recent publication of the USDA, National Agricultural Statistics Services, North Dakota Field Office
- Permanent Equipment Any equipment purchased must be listed separately with documentation showing actual cost. (For example: playground equipment)
- Equipment usage Actual documentation
- Seed & Seedlings Actual documentation
- Transportation Mileage at federal rate
- Supplies & materials Actual documentation

More categories will be added as we better understand the types of applications that will be submitted. We will use as our basis for these standards other State and Federal programs that have established rates. For example the North Dakota Nonpoint Source Pollution Management Program has established rates. If your project includes work that has an established rate under another State Program please use those rates and note your source.

Definitions/Clarifications:

Building - Defined as "A structure with a roof either with walls or without walls and is attached to the ground in a permanent nature."

Comprehensive Conservation Plan - Defined as "A detailed plan that has been formally adopted by the governing board which includes goals and objectives--both short and long term, must show how this building will enhance the overall conservation goals of the project and the protection or preservation of wildlife and fish habitat or natural areas." This does not need to be a complex multi-page document. It could be included as a part of the application or be an attachment.

New and Expanded Recreational Project means that the proposed building cannot be a replacement of a current building. The proposed building must also be related to either a new or expanded recreational project--either an expansion in land or an expansion of an existing building or in the opportunities for recreation at the project site.

Playground equipment calculation - Only the actual costs of the playground equipment (a bid or invoice showing the amount of the equipment costs must be provided) - cannot include freight or installation or surface materials or removal of old equipment, etc.

Staffing/Outside Consultants Costs - If you are requesting OHF funding for staffing or for an outside consultant, you must provide information in your application on the need for OHF funding to cover these costs. For example, if you are an entity that has engineering staff you must explain why you don't have sufficient staff to do the work or if specific expertise is needed or whatever the reason is for your entity to retain an outside consultant. If it is a request for reimbursement for staff time then a written explanation is required in the application of why OHF funding is needed to pay for the costs of that staff member(s)' time. **The budget form must reflect on a separate line item the specific amount that is being requested for staffing and/or the hiring of an outside consultant.** This separate line item will then be used to make the calculation of 5% or 10% as outlined in the law. Note that the calculation will be made on the grant less the costs for the consultant or staff.

Recommended by OHF Advisory Board: October 17, 2013

Approved by Industrial Commission: October 22, 2013

Revisions recommended by OHF Advisory Board: January 22, 2014

Approved by Industrial Commission: January 29, 2014

Revisions recommended by OHF Advisory Board: May 13, 2014

Approved by Industrial Commission: May 27, 2014

Revisions recommended by OHF Advisory Board: June 3, 2015

Approved by Industrial Commission: June 10, 2015

Kulm Rod and Gun Club
c/o Doug Hintzman
102 Hwy 56 South
Kulm, ND 58456

October 27, 2016

LaMoure County Water Resource Board
c/o Marvin Schultz
P.O. Box 128
LaMoure, ND 58458-0128

Dear Mr. Schultz and LaMoure County Water Resource Board:

The Kulm Rod and Gun Club is proud to support the grant proposal- LaMoure County Dam Reparation Project being submitted to the Outdoor Heritage Fund. Our club is pledging to commit \$1,100 to this project as cash match should the proposal be accepted.

The Kulm Rod and Gun Club has a long history of volunteer work and improvements at the Kulm-Edgeley Dam. Our club understands the importance of the Kulm-Edgeley, Schlenker, and Schlect-Thom dams to local sportsmen and women as well as campers and visitors to the area. We fully support the repairs of structures within these dams necessary for the long-term use of these areas for sport fishing, recreation, and as permanent water sources for people and wildlife long into the future.

To briefly reiterate, the Kulm Rod and Gun Club fully supports the repairs of our local area dams and the LCWRB's proposal seeking funding to help with the costs. Our club is committing \$1,100 in cash match to the project should the proposal be accepted.

Sincerely,

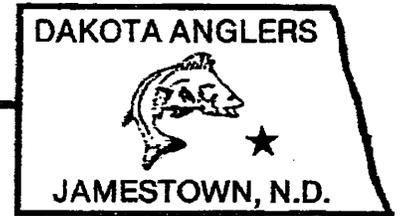


Zeb Mahin
President
Kulm Rod and Gun Club

DAKOTA ANGLERS

CONSERVATION — EDUCATION — FELLOWSHIP

P.O. BOX 1411 • JAMESTOWN, NORTH DAKOTA 58402



September 16, 2016

LaMoure County Water Resource Board

The Dakota Anglers have authorized a \$2,000 donation towards the repairs for low level release structures on three lakes (impoundments) in LaMoure County. The donation is contingent upon the LaMoure County Water Resource Board receiving a grant from the Outdoor Heritage Fund and the work being completed.

Sincerely,

A handwritten signature in cursive script that reads "Kay Herrick".

Kay Herrick

Treasurer

Jan Hamlin

From: Nyhus, David L. <dnyhus@nd.gov>
Sent: Thursday, October 27, 2016 4:36 PM
To: Jan Hamlin
Cc: Kelsch, Jonathan F.; Kratz, Brandon J.; Weigel, Jerry J.
Subject: Kulm-Edgeley, Schlenker, and Schlecht-Thom Dams

Jan,

As requested, we have prepared preliminary cost estimates for repair work on these three projects. These estimates are based on the SWC using our construction staff and equipment to perform the work.

Kulm-Edgeley Dam: \$45,000; 3 weeks;

Recreational Project, Dam safety issue eligible for UP TO 75% cost share.

On this project, the issue is separation of the first joint in the concrete conduit downstream from the outlet structure. This project would involve constructing a coffer dam around the outlet structure, excavating down to the conduit, realigning the pipe, constructing a concrete collar around the pipe, backfilling the excavation and removing the coffer dam.

Schlenker Dam: \$45,000; 3 weeks;

Recreational Project, Dam safety issue eligible for UP TO 75% cost share.

On this project, the issue is a crack at the joint between the CMP riser and the conduit. This crack is allowing water to leak into the riser which is carrying embankment material causing a sinkhole around the outlet structure. This project would involve constructing a coffer dam around the outlet structure, excavating to expose the riser to its full height and constructing a concrete sleeve around the riser sealing off the leak, backfilling the excavation and removing the coffer dam. This has the added benefit of preventing future leaks through the aging CMP material.

Schlecht-Thom Dam: \$90,000; 5 weeks;

Recreational Project, Non-Dam safety issue eligible for UP TO 40% cost share.

On this project, the issue is pinholes through the CMP riser and it appears that there may be a displacement between the two pieces of the riser, similar to the issue at Heinrich-Martin Dam which was addressed last year. These haven't led to a sink hole yet.

This project would involve constructing a coffer dam around the outlet structure, excavating to expose the riser to its full height and constructing a concrete sleeve around the riser sealing off the leaks, backfilling the excavation and removing the coffer dam. This has the added benefit of preventing future leaks through the aging CMP material. This project is significantly more costly than the other two due to the riser structure being 20 feet deep at this dam.

At both Schlenker and Schlecht-Thom dams, the low-level draw down valves are heavily rusted, and having been installed in 1988 are reaching the end of their service lives. It would probably make sense to replace these valves when these projects are undertaken. The project costs given above do not include replacing these valves. However, costs to replace the valves would be insignificant by comparison to the primary project costs, probably less than \$1,000 each if done at the same time as primary project.

All of these projects are going to require a substantial quantity of borrow material to construct the coffer dams. In our experience, it is a much smoother process if the local water board makes arrangements with the local landowners near each project for the borrow material. Often times, landowners don't charge for such borrow materials, but others do. The costs for purchasing borrow material is not included in the estimates above and could significantly increase the

project costs. In the case of Schlecht-Thom Dam which is very close to our \$100,000 project cap, paying for borrow material may push the project cost above the cap. If this becomes the case, you will need to hire a private contractor to perform the work, but the project would still be eligible for SWC cost share assistance. Also, we request water board assistance with other project needs such as obtaining access to the site, road closure(s), etc., if necessary. For example, the Schlecht-Thom Dam is the embankment for 76th Ave SE, and both Schlenker and Schlecht-Thom dams appear to provide access to local farming operations. We will need your assistance in working with these folks to minimize the impact the projects have on their operations, and possibly putting up "Road Closed" signs where necessary.

As recreation projects, these projects are eligible for SWC cost share assistance. Typically, on such projects, the ND Game & Fish Department participates in the cost share as well, which results in the costs being split evenly three ways. If the G&F is not able to participate in the cost sharing, the SWC cost share policy allows for the "UP TO" percentages given in the line items above. The remaining would be the local share.

You mentioned in your email from Oct. 17 that the water board is applying for a grant to help fund these projects. The SWC cost share policy applies to those costs that are not covered by federal, other state, or other North Dakota state agency grant funding. In other words, if the grant is from a federal, other state, or other North Dakota state agency, the grant funding is applied to the project costs first, then whatever is left is shared between the local sponsor and the SWC, and the ND G&F if they participate.

If you or the board have any questions or concerns regarding these projects, please let me know.

Sincerely,
David L. Nyhus, PE
Water Resource Engineer
North Dakota State Water Commission
Phone: 701.328.4950

Fine, Karlene K.

From: Kratz, Brandon J. <bkratz@nd.gov>
Sent: Thursday, November 03, 2016 10:32 AM
To: Hamlin, Jan J.
Subject: Documentation of support from NDGF

To whom it may concern

In reference to the North Dakota Outdoor Heritage Fund grant application submitted by the LaMoure County Water Resource Board, the North Dakota Game and Fish Department agrees to a potential cost share contribution of \$9564.00. These monies will be utilized for the necessary reparations of Kulm-Edgeley, Schlenker, and Schlecht-Thom Dams in LaMoure County. All three of these impoundments provide recreational opportunities for the general public and are important components of the surrounding communities.



BJ Kratz
SE District Fisheries Supervisor
3320 East Lakeside Road
Jamestown, ND 58401
(701) 253-6482, Email: Bkratz@nd.gov