

STATE WATER CONSERVATION COMMISSION
MINUTES OF MEETING
Held in Office of State Water Commission in
Bismarck, North Dakota
March 16, 1959

A regular meeting of the North Dakota State Water Conservation Commission was called to order on March 16, 1959, in the office of the Commission, State Capitol Building, to consider routine business matters. The following were present:

MEMBERS OF THE STATE WATER CONSERVATION COMMISSION

- Governor John E. Davis, Chairman, Bismarck
- A. M. Christensen, Member from Minot
- W. W. Corwin, Member from Fargo
- Einar Dahl, Member from Watford City
- Math Dahl, Commissioner of Agriculture & Labor, Bismarck
- Milo W. Hoisveen, Secretary & Chief Engineer, State Engineer, Bismarck

OTHERS PRESENT

- Senator Frank Wenstrom, Williston
- Dr. I. G. Bue, State Game & Fish Commissioner, Bismarck
- Mr. Palmer Levin, Board of Administration, Bismarck
- Mr. Mike Froelich, Selfridge
- Mr. Hazen Sandwick, Office Engineer, Bismarck

The meeting was called to order by Governor Davis at 9:45 a.m. with Commissioners A. M. Christensen, W. W. Corwin, Einar Dahl, Math Dahl and Secretary Hoisveen present.

APPROVAL OF MINUTES

It was moved by Commissioner W. W. Corwin and seconded by Commissioner Einar Dahl that the reading of the Minutes of the January 16th meeting be dispensed with and that the same be approved. All members voted aye and said motion carried.

APPROVAL OF FINANCIAL STATEMENTS

Copies of the Financial Statements for January and February, 1959, were presented to all Commissioners. It was moved by Commissioner W. W. Corwin and seconded by Commissioner Einar Dahl that the Financial Statements for January and February, 1959, be approved. All members voted aye and said motion carried.

BOWMAN COUNTY AUTHORITY TO REGULATE RESERVOIR CONSTRUCTION

Secretary Hoisveen stated that the Bowman County Water Conservation and Flood Control District was reactivated for the principal purpose of obtaining the Bowman Haley Dam. Since its reactivation, one of the problems that

has come up is that in spite of the fact that during the dry 1930's, at least 3,000 to 4,000 acre feet of water would have been available for municipal use under these adverse conditions. However in 1958 the projections made on this stream under much more favorable stream flow conditions resulted in a dry reservoir. This depletion has resulted from the numerous stockwater dams constructed in the upper reaches. In many instances the reservoirs are much closer together than they need be. Because of this situation Secretary Hoisveen stated that he believed it advisable to grant authority to the Bowman County Water Conservation and Flood Control District to regulate the number of dams that can be constructed

on the North Branch of the Grand River. It was his opinion that this matter could be best controlled on a local level as the District Board was more familiar with the problem. Based upon this recommendation, it was moved by Commissioner Einar Dahl and seconded by Commissioner W. W. Corwin that the Bowman County Water Conservation and Flood Control District be granted authority to regulate the number of dams as stated herein. All members voted aye and said motion carried.

**COLONEL L. W. PINE
LETTER OF APPRECIATION**

A letter from Colonel L. W. Pine, District Engineer Garrison District, Riverdale, dated February 17th was read by Secretary Hoisveen. Colonel Pine is being transferred to the Army Language School at Monterey, California, and expressed his appreciation for the cooperation of the Commission during the past three years.

**MISSISSIPPI VALLEY
CONVENTION RESOLUTION AND REPORT**

Commissioner Corwin stated that he and Commissioner Christensen had attended the meeting of the Mississippi Valley Association held at St. Louis, Missouri, on February 1st, 2nd and 3rd. He stated that he attended the meeting of the Resolutions Committee at which the following resolution was introduced:

"One of the principal benefits of the comprehensive Missouri River Basin program is the development of further irrigation projects in the upper basin. We, therefore, urge Congress to enact appropriate legislation to construct the Garrison Diversion Unit Project if it finds that the project is sound and economically justified, after provision is made in the plan for the return of substantially all of the return flows of water from the lands irrigated into the Missouri River Basin, and further, that appropriations therefor will not delay or retard appropriations for flood control reservoirs and other works within the basin necessary for the completion of the overall plan for flood control in the basin."

The above resolution was unanimously adopted by the Mississippi Valley Association. In further commenting on the convention, he stated that a delegation of approximately 14 people from North Dakota was in attendance. He recommended that in view of the fact that the Garrison Diversion Unit has now received approval by said organization, that representation from the State be reduced in number. He felt it would be just as effective to have four or five attend consistently. In discussing the matter it was agreed that at future meetings endeavors would be made to have the same people attend in limited numbers.

WATER RIGHT CODE

Secretary Hoisveen stated that he has given thought to having a water right code prepared for North Dakota and in so doing, he contacted Mr. Wells A. Hutchins of Berkeley, California, relative to preparing the same. In Mr. Hutchins' reply he stated that he plans to complete revision of his publication on water rights in the 17 Western States before undertaking any additional State publications. This revision will include a summary for each State and thus will contain information on North Dakota. In view of the small number of North Dakota Supreme Court decisions on water rights, he stated that practically everything that would be published in a separate State study will be included in the overall publication.

**MISSOURI RIVER STUDIES
RESOLUTION - KILLED**

Secretary Hoisveen stated that a House Concurrent Resolution had been prepared memorializing Congress to provide for a complete investigation of the water supply of the Missouri River Basin and an early determination of allocation of such water resources to the various beneficial uses. This resolution was killed prior to its introduction. It was believed that if it had been introduced, it would have antagonized downstream interests and it would be detrimental to North Dakota projects to incite navigation interests. Appreciation was expressed to Governor Davis for his efforts in stopping the bill prior to introduction.

**REPORT ON WHITE HOUSE
CONFERENCE**

Governor Davis reported on the White House conference held in connection with the Garrison Diversion report. An interview was arranged with President Eisenhower and his key staff members. Following this interview, the meeting was resumed with Messrs. Merriam, Special Advisor to the President; Staats, Assistant Director of the Bureau of the Budget; Schwartz, Advisor of Water Conservation and General Bragdon, Public Works Advisor to the President. Much information was exchanged and many questions were asked pertaining to the project. The President's advisors indicated that every possible effort would be made to have the report passed to Congress for consideration during the present session.

**SUBSEQUENT MEETING RE
GARRISON DIVERSION UNIT**

Secretary Hoisveen stated that at the request of Governor Davis, a supplemental report relative to the Garrison Diversion Unit was prepared and delivered to Messrs. Merriam and Staats. The report was in reply to the two specific questions asked at the White House Conference on February 25th. They dealt with competitive surplus crops and whether or not large portions of the project were in the Soil Bank. On his trip to Washington, D. C., on March 10th, Secretary Hoisveen stated that he also met with Congressman Walter Rogers of Texas, who is Congressman Aspinall's replacement on the Subcommittee on Reclamation. On behalf of the Governor, Secretary Hoisveen invited Congressman Rogers to visit the State and view the project on-sight. He indicated that he would personally visit the Garrison Diversion Project within the next two months.

BLACKTAIL DAM REQUEST

Senator Frank Wenstrom of Williston and Dr. I. G. Bue, State Game and Fish Commissioner, appeared before the Commission on behalf of the proposed Blacktail Dam 20-25 miles northwest of Williston. Senator Wenstrom stated that the Williams County Park District has purchased the land at a cost of \$7,000 and was anxious for the construction of the dam. The dam would be primarily recreational benefits. Dr. Bue indicated that it was in an area where a good reservoir was essential. The estimated cost of said dam is \$78,000.00 and the costs would be borne by the Williams County Commissioners, the Game and Fish Department and the State Water Conservation Commission. Senator Wenstrom stated that easements have been obtained and that the County will furnish the equipment and cooperate in much the same way as on work done on the Ray Dam. The reservoir will cover 130 acres and have a maximum depth of 35 feet. Commissioner A. M. Christensen moved that the Commission cooperate in the construction of said dam by contributing 25% and not to exceed \$20,000 of the cost of the same, whichever is the lesser amount. Commissioner Einar Dahl seconded said motion. Upon roll call all members voted aye and said motion carried.

**DRAINS #2, #7 & #55
RICHLAND COUNTY**

The construction of Drains #2, #7 and #55 was discussed by the Commissioners. The estimated cost of Drain #2 is \$7,200 and 40% participation by the Commission would

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amount to \$2,880. The estimate of Drain #7 is \$11,035.98 and 40% participation by the Commission would amount to \$4,414.39. The estimate on Drain #55 is \$4,296.87 and 40% by the Commission would amount to \$1,718.75. It was moved by Commissioner Corwin and seconded by Commissioner Math Dahl that the State Water Conservation Commission participate in the construction of the above drains by contributing 40% of the cost thereof as stated herein. Upon voice vote all members voted aye and said motion carried.

DRAIN MAINTENANCE POLICY The members of the Commission expressed concern over the fact that some funds appeared to be used for deferred maintenance. The members expressed the opinion that drainage districts and other participants should only expect funds from the Commission in the initial construction. Commissioner Einar Dahl moved that the Commission establish the policy of not lending assistance for the maintenance of drains which have been constructed or reconstructed since 1943, the date that funds were first made available to the Commission. The only exception to the policy would be in those instances where acute erosion had occurred in drains and a need for drop structures had become apparent to save adjacent land or bridge structures. The requirement of such structures would be determined by the Commission's engineers. Commissioner W. W. Corwin seconded said motion. All members voted aye and said motion carried.

CONTINGENCY FUND U.S.G.S. Secretary Hoisveen called attention to the fact that House Bill 543, introduced by the Legislative Research Committee, stated that all funds obtained from cooperative ground water studies with local entities be placed in the general fund and that the trust fund account in the Bank of North Dakota be dispensed with. This bill passed and has been signed into law. No representative of the Commission had an opportunity to oppose the bill. Governor John E. Davis indicated that he had requested the amount of \$20,000 be placed in the Ground Water Survey item of the U.S.G.S. and that this amount was through oversight left out of the Commission appropriations at one of the last hearings. He stated that this situation occurred at a time in the session when it could not be brought back for reconsideration. It was agreed by the Chairman of the Senate Appropriations Committee that this item could be best cared for through the Contingency Fund. The Commission members instructed Secretary Hoisveen to present the \$20,000 item to the Emergency Commission for consideration before April 6th in order that the funds could be used as matching funds with the Ground Water Branch of the U.S.G.S.

WARWICK DAM REQUEST A letter from Mr. Martin Quam, Secretary-Treasurer of the Sheyenne Valley Rod and Gun Club, Warwick, was read to the Commissioners. Mr. Quam requests the Commission and the State Game and Fish Department to make needed repairs on the Warwick Dam three miles south of Warwick on the Sheyenne River. The dam was originally constructed by the WPA. The estimated cost of the work is \$11,000. It was recommended that Secretary Hoisveen write Mr. Quam and suggest that they get the County to back them in this project. He is also to determine what participation can be expected from the County. It was also recommended that Secretary Hoisveen contact Dr. Bue and inquire how much they will contribute on this project. It is anticipated that further information will be available at the next meeting of the State Water Conservation Commission.

WELL TESTING EQUIPMENT Secretary Hoisveen stated that the Commission is called upon to do considerable well testing in aquifers in which irrigation possibilities exist. He stated that he felt the equipment being used for drilling was inadequate as the crews could not determine the capacity

of the aquifers without making a realistic test approximating 600 to 1,000 gpm over a thirty hour test or longer. He said that he would like to put in a 21 to 24 inch casing which would provide a good test of water availability. The approximate cost of such equipment would be between \$7,500 and \$8,500. It was moved by Commissioner Einar Dahl and seconded by Commissioner A. M. Christensen that Secretary Hoisveen be authorized to purchase additional equipment to modify the present drill machine or that he be authorized to purchase a new drill machine, whichever he deems to be the most feasible and economical in his discretion. It was agreed that after the testing on the well has been completed, the farmer should be provided the option of paying for the casing and the well if he desires to maintain said well for his use. Upon voice vote all members voted aye and said motion carried.

GAMMA RAY EQUIPMENT The possible purchase of gamma ray equipment was discussed. The gamma ray is used to check on the electric logger. The Commissioners were of the opinion that this piece of equipment was not necessary at this time and that the same should not be purchased.

LAND LEASE TO BOARD OF ADMINISTRATION Mr. Palmer Levin of the Board of Administration appeared before the Commission at 11:00 a.m. Mr. Levin stated that the State Penitentiary is in dire need of additional land and would like to lease the land which is presently being leased by Messrs. S. E. and Bill Turnbow in Burleigh County. The Commissioners unanimously agreed that the State should be given priority to the use of the land; however, under the terms of the lease as entered into, the same will not expire until 1961. Secretary Hoisveen was requested to contact Messrs. S. E. and Bill Turnbow. It was thought that if the Turnbows were apprised of the situation, they would possibly agree to being compensated for their alfalfa and terminate their lease on a voluntary basis. Secretary Hoisveen will advise the Commissioners of the action at the next meeting.

LOWHEAD DAM DISCUSSION AND RESOLUTION House Concurrent Resolution V-1 which was introduced through the Delayed Bills Committee was read to the Commissioners. Said resolution requests the Corps of U. S. Army Engineers to study and investigate the most feasible means of protecting from erosion the banks of the Missouri River in the reaches thereof between the Oahe Reservoir and Garrison. It was moved by Commissioner Math Dahl and seconded by Commissioner W. W. Corwin that the following resolution be adopted:

WHEREAS, the State of North Dakota has not objected to the establishment by the Federal Government of dams along reaches of the Missouri River pursuant to the Flood Control Act of 1944, or to the acquisition of 540,000 acres of fertile bottomlands for reservoirs for such dams, although the withdrawal of those lands from State and local taxation has depleted the taxing resources of the State, counties, townships, and especially of the school districts, in which such lands are situated, and has further aggravated relief problems in the State by creating conditions whereby many Indians are forced into relief; and

WHEREAS, a recent survey conducted by the State Water Commission, which has been substantiated by findings of the Corps of Engineers of the U. S. Army, discloses that between the reservoir of the Oahe Dam and the Garrison reservoir, the remaining bottomlands in North Dakota along the Missouri River are being eroded due to the discharge from the Garrison Dam at the rate of approximately 500 acres annually; and

WHEREAS, the Federal Budget Director has requested Congress to appropriate to the Corps of Army Engineers the sum of \$15,000 to cover the cost of a study of a combination lowhead dam and highway bridge as a part of the super highway to be constructed near the City of Bismarck; and

WHEREAS, the Corps of Army Engineers declares that the construction of such combination lowhead dam and highway bridge has been found to be not feasible as the sediment from bank erosion would fill the resulting reservoir in a matter of five years;

NOW, THEREFORE, BE IT RESOLVED by the State Water Conservation Commission in meeting assembled this 16th day of March, 1959, that the funds appropriated by Congress to the Corps of Army Engineers for the purpose mentioned, together with such additional funds as the Corps may deem necessary, be made available to enable them to determine whether the bank erosion along the Missouri River can best be curtailed through construction of jetties, revetments or by a series of lowhead dams.

BE IT FURTHER RESOLVED that copies of this resolution be mailed to the Honorable Milton R. Young, United States Senator, Washington, D. C.; Major General E. C. Itschner, Chief of Engineers, Department of the Army, Washington, D. C.; Major General Keith Barney, Division Engineer, Corps of Engineers, Omaha, Nebraska; and Colonel Walter Hogrefe, District Engineer, Garrison District, Riverdale, North Dakota.

All members voted aye and the above resolution was unanimously adopted. A resolution adopted by the County Commissioners Association on January 13-15, 1959, supporting the lowhead dam was read by Secretary Hoisveen and is on file in the office of the State Water Conservation Commission.

TRUCK PURCHASE Secretary Hoisveen stated that bids had been let and received on the purchase of a crane and truck. He stated that W. W. Wallwork of Fargo, North Dakota, was the low bidder on the truck. It was moved by Commissioner Math Dahl and seconded by Commissioner Christensen that the bid of W. W. Wallwork for a 1959 Ford Super Duty Tandem truck at the net price of \$9,552 be accepted. All members voted aye and said motion carried.

CRANE PURCHASE In reviewing the crane bids which were let, Secretary Hoisveen stated that Schultz Machinery of Bismarck was the low bidder but did not qualify with the specifications. He stated that the Krider Equipment Company of Fargo offered an American Model 175 Crawler Crane per the specifications at the net bid price of \$15,045. It was moved by Commissioner Christensen and seconded by Commissioner Math Dahl that the bid of the Krider Equipment Company be accepted. All members voted aye and said motion carried.

ELLENDALE DAM REQUEST A letter from the City of Ellendale dated March 9, 1959, requesting Commission participation in the construction of a lowhead dam $2\frac{1}{2}$ miles out of Ellendale was read. This would make more water available for a municipal water supply in future years. It was moved by Commissioner Corwin and seconded by Commissioner Christensen that the Commission prepare cost estimates and designs for a municipal water impoundment for the City of Ellendale. All members voted aye and said motion carried.

**FOURTH STREET DAM
FARGO** The Fourth Street Dam at Fargo was discussed. The Corps of Engineers has proposed that a new dam be constructed to replace the Fourth Street Dam in the channel cut-off

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in the Red River of the North. The present design as proposed by the Corps of Engineers calls for constructing the same out of rock and concrete. Secretary Hoisveen stated that he feels the dam would be much more satisfactory if constructed out of reinforced concrete and the cost would be considerably less. He stated that he has written to the Corps of Engineers relative to the matter and has recommended that they let two alternate bids, one on rock and concrete and the other on reinforced concrete. Action on the Fourth Street Dam was deferred until the next meeting of the Commission.

**FROELICH DAM
SELFRIDGE**

Mr. Mike Froelich of Selfridge and Mr. Hazen Sandwick, Office Engineer, entered the meeting at 11:35 a.m. Mr. Froelich stated that the residents of the area are extremely anxious to have a dam constructed in that area, the largest part of which is on his land. He stated that he had originally contemplated donating the land but that the Game and Fish Department has indicated a desire to purchase the same to enable them to have full control of the water line. At present Mr. Froelich is negotiating with the Game and Fish Department relative to the sale of said land. He stated that 168 acres would be involved. Participants in the project would include the State Water Conservation Commission, the Game and Fish Department, Sioux County, the Men's Club of Fort Yates and the Selfridge Sportsmen's Club. When completed the dam would care for a daily entrance of 125 boats and 80 to 100 fishermen. The estimated actual construction cost of said dam is \$45,000. It was suggested that Mr. Froelich contact local proponents and definitely determine just what can be expected so far as local participation. Action on Froelich dam was deferred until the next meeting of the State Water Conservation Commission.

WATER RESOURCES MAP

Secretary Hoisveen inquired if the Commission desired to have a current water resources map prepared in the event funds were available. He stated that the Commission has had numerous requests from schools for the same and he felt this was an excellent means of educating the public on the water resources of the State. The new map would depict the ancient channel studies, dams and other projects constructed since the last map was prepared. It was agreed that this map be printed if sufficient funds were available at the end of the biennium for this purpose.

**SANBORN GROUND WATER
REQUEST**

Secretary Hoisveen stated that he has received a verbal request from the City of Sanborn for a ground water survey. In view of the fact that the crew is presently working at Gackle, he thought this would be an opportune time to comply with said request. It was agreed that such a survey be made if this city forwarded the necessary deposit to this office to indicate their intent. However, if no funds are received, the Commission is to proceed with the present schedule.

**SURVEY ON LITTLE
MUDDY**

It was reported by Secretary Hoisveen that much interest is being shown in damming up the Little Muddy and extending the survey of the ancient channel. A petition from 25 landowners is on file in the office of the Commission requesting that information from the survey as to the quantity and quality of water be made available for irrigation development. A letter from Mr. D. G. Hotchkiss, County Extension Agent for Williams County, displaying much interest in the survey was also read. Work on the ancient channel survey will be continued as soon as weather and drilling schedules permit.

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SIOUX IRRIGATION DISTRICT GROUND WATER REQUEST

A request from Mr. Alfred Gullikson of the Sioux Irrigation District was read to the Commission members. Mr. Gullikson stated that the District is anxious to further develop their project through the use of a ground water supply. At present they are obtaining water through a pump located on the Yellowstone River. It was the sentiment of the Commission that this should be done as a part of the ancient channel survey when conditions permit.

SOURIS RIVER FLOOD CONTROL REPORT

Secretary Hoisveen stated that while in Washington, D. C. on March 8-11, he met with Assistant Secretary of Interior Aandahl pertaining to the condition that exists regarding the Lake Darling Dam above Minot. Those present were Secretary Aandahl; Mr. Fred Fredrickson; Messrs. Arnie Soumela, Commissioner of the Bureau of Fish and Wildlife; D. H. Janzen, Director of the Bureau of Fish and Wildlife and William Taylor, Chief Engineer of the Bureau of Fish and Wildlife. At said meeting Secretary Hoisveen advised them that the City of Minot and the State Water Conservation Commission were concerned over the protective abilities of said dam and felt the same was justified in view of the capacity of said reservoir. Secretary Hoisveen indicated that he felt present day criteria would require the provision for greater storage and spillway capacity for the protection of life and property below it. To support his position, Secretary Hoisveen obtained information from the Corps of Engineers at Gravelly Point which very explicitly stated that through standard flood project evaluations, the site of the present dam would at sometime be required to pass a flow of 45,000 cfs which would result in the failure of the present structure. The report further stated that such a flood would result in a major disaster to Minot. This apparently was also the feeling of the Bureau of Reclamation which made a similar study in 1927 and stated:

"8. The district engineer presents an abstract of a report by the Bureau of Reclamation in 1927, discussing flood relief at Minot in connection with irrigation development. This plan is based on the construction of a reservoir near Foxholm, a few miles above Minot, with sufficient capacity to control a flood similar to that of 1904 but with the run-off during the maximum seven days increased by 50 per cent. It is estimated that 420,000 acre-feet of storage capacity would reduce this flood to 2,500 cubic feet per second at Minot, at which stage the damage would not be great. The reservoir is designed to have a capacity of 500,000 acre feet, giving 20,000 acre feet for silt storage, 60,000 acre feet for irrigation storage, and 420,000 acre feet for flood control storage. The cost is divided between irrigation and flood control in proportion to the capacity reserved for each purpose." (Page 5)

(71st Congress 2nd Session. House of Representatives. Document No. 282)

The information obtained was made available to all Commissioners and a copy of said report is on file in the office of the State Water Conservation Commission. After hearing said report, the Fish and Wildlife representatives agreed to participate in a proposed survey. Messrs. Fred Fredrickson and Chris Sylvester agreed to work through Senator Young in requesting funds for the Corps to make the survey. Commissioner Corwin moved the adoption of the following resolution which supports said appropriation request. Commissioner Einar Dahl seconded said motion and the following resolution was unanimously adopted:

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RESOLUTION

WHEREAS, the City of Minot has on several occasions called to the attention of the State Water Conservation Commission the danger of impending floods which could occur to that city as a result of an inadequate flood control project above that city; and

WHEREAS, the Federal Fish and Wildlife Service has maintained a dam above that city for the purpose of regulating the flow of water to wildlife refuges located below the damsite and the City of Minot; and

WHEREAS, the Federal Fish and Wildlife operates a dam and reservoir known as Lake Darling which has an uncontrolled spillway crest at elevation 1600.0' at which approximately 112,000 acre feet of water is impounded; and

WHEREAS, studies made by the Bureau of Reclamation in 1927 indicates that a storage capacity approximating 500,000 acre feet, of which 420,000 acre feet would be available for flood storage, would be required to adequately protect the City of Minot against flood conditions that occurred in the years 1882, 1897, 1899, 1901 and 1904; and

WHEREAS, such flood conditions have not recurred with such intensity since 1904, it is logical to assume that the flood frequency occurring between 1882 and 1905 may recur in the near future; and

WHEREAS, a survey and investigation should be made to determine the location of flood protective works and a reservoir of sufficient capacity to impound future flood waters with a spillway crest not exceeding elevation 1600.0 feet;

NOW, THEREFORE, BE IT RESOLVED that the Corps of Engineers be requested to make a survey and investigation immediately to obtain the criteria and cost estimates for the construction of flood protective works and reservoirs of sufficient size to insure the safety of the downstream residents and provide an adequate water supply for military installations and the City of Minot; and

BE IT FURTHER RESOLVED that copies of this resolution be mailed to Honorable Milton R. Young, United States Senator, Washington, D. C.; Major General E. C. Itschner, Chief of Engineers, Department of the Army, Washington, D. C.; Major General Louis J. Rumaggi, Division Engineer, 536 South Clark Street, Chicago, Illinois and Colonel Desloge Brown, District Engineer, 1217 U. S. Post Office, St. Paul, Minnesota.

AUTHORIZATION RE
DAM CONSTRUCTION

In discussing the condition of various dams throughout the State, the present emergency now existing on Braddock Dam was brought to the attention of the Commission. It was moved by Commissioner Einar Dahl and seconded by Commissioner Math Dahl that Secretary Hoisveen be authorized to check on dams in need of emergency repairs that impair the existence of the structure and proceed as he deems necessary. Motion carried.

CRYSTAL DAM

The matter of the Crystal Dam was taken up for consideration by the Commissioners. It was stated that previous authorization of the project had been made on the basis of 50% participation at a \$25,000 figure. The Engineering News Record implies that construction costs

have advanced 10% since the project was approved. It was the feeling of the Commissioners that the delay in constructing the project was not the responsibility of the Commission but that of local project proponents and any additional costs resulting from this delay should be absorbed by the local group. Secretary Hoisveen is to advise them to this effect.

**APRIL MEETING
OF MBIAC**

Secretary Hoisveen stated that the April meeting of the Missouri Basin Inter-Agency Committee is scheduled to be held at Council Bluffs, Iowa, on April 15th. He recommended that a delegate to said meeting be appointed at the April meeting of the State Water Conservation Commission.

WATERSHED PROJECTS

A news article which appeared in the Omaha World-Herald on February 19, 1959, was read. The article pertained to watershed work in the Dakotas and stated that the Senate Agriculture Committee approved \$951,785 for watershed projects in North and South Dakota. In discussing the matter the Commissioners agreed on no general participation in watershed projects and if the Commission were to participate in any, it would be on a specific basis, and each would be considered individually. This item may be discussed further at a later date.

WATER RIGHTS

The following water rights were presented and considered by the Commission:

#777. James E. Roberts, Maxbass, requests the right to divert 160 acre feet from Cut Bank Creek to irrigate 80 acres of land. Commissioner Corwin moved that he be granted 120 acre feet to irrigate 80 acres. Commissioner Einar Dahl seconded said motion. Motion carried.

#778. P. B. Madsen, Sidney, Montana, requests the right to divert 120 acre feet from Gooseberry Creek to irrigate 96 acres of land. It was moved by Commissioner Corwin that said request be granted, which motion was seconded by Commissioner Einar Dahl. Motion carried.

#779. William F. Freymiller, Hettinger, requests the right to divert 50.2 acre feet of water from the North Fork of the Cannonball River to irrigate 25.1 acres of land. It was moved by Commissioner Einar Dahl and seconded by Commissioner Corwin that he be granted the right to divert 37.0 acre feet of water to irrigate 25.1 acres of land. Motion carried.

#780. Albert Steffenson, Price, requests the right to divert 844.8 acre feet of water from the Missouri River to irrigate 422.4 acres of land. It was moved by Commissioner Einar Dahl and seconded by Commissioner Corwin that said request be granted. Motion carried.

#781. Arthur A. Anderson, Arnegard, requests the right to divert 470 acre feet of water from Red Wing Creek to irrigate 235.3 acres of land. Commissioner Corwin moved that said request be granted which motion was seconded by Commissioner Einar Dahl. Motion carried.

#782. Thomas Price, Price, requests the right to divert 1475.2 acre feet of water from the Missouri River to irrigate 737.6 acres of land. Commissioner Corwin moved that said request be granted which motion was seconded by Commissioner Einar Dahl. Motion carried.

The meeting adjourned at 2:30 p.m.

Respectfully submitted,

Milo W. Hoisveen
Secretary

Attest:

John E. Davis
Governor

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MONTHLY REPORT OF APPROPRIATIONS AS OF MARCH 31, 1959
1957-1959 APPROPRIATIONS

Fund No.	Available July, 1957	Expended To Feb. 28, 1959	Expended Mar. 1959	Balance Mar. 31, '59
1. Commissioners' Per Diem and Expenses	6,000.00	3,813.55	907.82	1,278.63
2. Administration	47,000.00	36,113.90	1,396.44	11,432.78
Refunds and Deposits	1,943.12			
3. Maintenance of Dams.	105,000.00	157,411.71	9,323.24	22,017.19
Refunds and Deposits	83,752.14			
4. International and Interstate Commissioners' Conference Expenses.	8,000.00	6,796.65	608.40	609.80
Refunds and Deposits	14.85			
5. Topographic Surveys, Cooperation With U. S. G. S. . . .	30,000.00	24,961.67	- -	5,038.33
6. Hydrographic Surveys, Cooperation With U. S. G. S. . . .	27,500.00	23,949.26	- -	3,550.74
7. Engineering and Geological Surveys and Demonstrations. .	37,500.00	35,532.27	645.99	6,628.55
Refunds and Deposits	5,306.81			
8. Cooperation with U. S. Departments and for Organizing Conservation and Irrigation Districts.	50,000.00	34,536.52	2,768.51	12,704.97
Refunds and Deposits	10.00			
9. Small Projects, Investigations, Surveys, Etc.	118,000.00	100,365.69	3,020.27	16,989.02
Refunds and Deposits	2,374.98			
10. Administration of Water Laws	6,000.00	5,686.59	17.31	296.10
OASIS Refunds	3,800.00	6,370.84	- -	1,970.40
Transfer from Contingency Fund	4,541.24			
	<u>\$536,743.14</u>	<u>\$435,538.65</u>	<u>\$18,687.98</u>	<u>\$82,516.51</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MONTHLY REPORT OF APPROPRIATIONS AS OF MARCH 31, 1959
1955-1957 APPROPRIATIONS

Fund No.	Available July, 1955	Expended To Feb. 28, '59	Expended Mar., '59	Balance Mar. 31, '59
1. Commissioners' Per Diem and Expenses	6,000.00	6,390.63		270.40
Collections and Refunds.	661.03			
2. Administration	40,000.00	42,453.03		41.19
Collections, Refunds, Transfers	2,494.22			
3. Maintenance of Dams.	100,000.00	220,556.13		38.53
Collections and Refunds	120,594.66			
4. International and Interstate Commissioners' Conference Expenses	8,000.00	8,040.42		.18
Collections and Refunds	40.60			
5. Topographic and Conservation Cooperation with U.S.G.S.	30,000.00	30,000.00		NIL
6. Hydrographic and Conservation Cooperation with U.S.G.S.	25,000.00	25,000.00		NIL
7. Engineering and Geological Surveys and Demonstrations	35,000.00	35,223.93		NIL
Transfer from Number 1.	223.93			
8. Cooperation with U. S. Departments and for Organizing Conservation and Irrigation Districts.	40,400.00	40,374.92		25.08
9. Small Projects and Investigations and Surveys.	106,000.00	125,994.37		NIL
Collections and Refunds	19,994.37			
10. Water Right Investigations.	12,000.00	11,994.23		5.77
	<u>\$546,408.81</u>	<u>\$546,027.66</u>		<u>\$381.15</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF MARCH 31, 1959
 (CONTINUING APPROPRIATIONS)

Appropriation Title	Balance July, 1957	Expended To Feb. 28, '59	Expended Mar., 1959	Balance Mar. 31, '59
Construction Bond Guaranty Fund	70,541.00	NIL	NIL	76,032.09
Deposit of Income from Investments and Retirement	5,491.09			
Multiple Purpose Fund	384,892.93	190,466.67	2,200.20	207,478.55
Collections, Refunds, Transfers	15,252.49			

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
DEPOSITS IN THE BANK OF NORTH DAKOTA
MARCH 31, 1959

Source of Deposits	Transit Number	Amount Deposited	Expended To Mar. 31, '59	Balance Mar. 31, '59
Collections on Yellowstone Pumping Irrigation District \$3,500 Warrant. Tax collections for partial payment of interest and principal to April, 1958.	501-118	2,451.22		2,451.22
Contributions to January 1, 1957: \$35,600.10				
Contributions for Ground Water Surveys:				
Berthold		\$1,500.00		
Drake		750.00		
Ellendale		500.00		
Gackle		1,500.00		
Hatton		1,000.00		
Hillsboro		1,000.00		
Jamestown		1,500.00		
Lehr		1,000.00		
Leeds		1,000.00		
Linton		1,500.00		
Max		1,500.00		
Michigan		1,500.00		
Minot		1,500.00		
Strasburg		1,000.00		
Stutsman County		1,500.00		
	501-128	58,651.66	52,133.53	<u>6,518.13</u>
TOTAL OF ALL BANK OF NORTH DAKOTA DEPOSITS AS OF MARCH 31, 1959				<u><u>\$8,969.35</u></u>

PAYROLL
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MARCH 31, 1959

PERMANENT EMPLOYEES

Name	Position	Pay Grade	Salary March	With. Tax	Soc. Sec.	Hosp. Ins.	Savings Bonds	Net Pay	Remarks
Holsveen, Milo W.	State Engineer	N-6	824.17	117.60	20.60	12.60	18.75	654.62	Inc Apr '58
Baessler, Gordon	Draftsman	F-2	326.17	48.30	8.15	- -	- -	269.72	Inc Mar '59
Cooper, Vernon S.	Ass't Secretary	1/2M-4	363.84	71.00	9.10	12.60	- -	271.14	Inc Mar '59
Fredrickson, Fred	Coordinator	F-5	350.00	32.60	8.75	- -	- -	308.65	Inc Feb '58
Gehring, Edna	File Clerk	B-10	211.67	37.80	5.29	5.45	- -	163.13	Inc Jan '59
Grindberg, Alan	Engineer	H-5	466.67	74.60	11.67	- -	- -	380.40	Inc Dec '58
Johnson, Lloyd	Const. Foreman	F-9	392.67	51.30	9.82	- -	- -	331.55	Inc Aug '58
Krebsbach, Joseph	Instrumentman	F-6	364.17	25.50	9.10	12.60	*20.30	296.67	Inc Apr '58
Putz, Roy	Material Expert	A-9	185.00	13.50	4.63	5.45	- -	161.42	Inc Dec '57
Reimers, Ernest	Rodman	D-5	252.00	15.40	6.30	- -	- -	230.30	Inc Mar '59
Reiter, Daniel	Const. Foreman	F-9	392.67	31.30	9.02	- -	18.75	333.60	Inc Mar '59
Sackman, Eugene	Instrumentman	F-5	354.67	14.00	8.86	12.60	*11.17	308.04	Inc Mar '59
Sandwick, Hazen	Engineer	K-5	634.67	61.60	15.87	12.60	37.50	507.10	Inc Mar '59
Schulz, Jim	Bookkeeper	E-5	298.67	44.00	7.47	- -	- -	247.20	Inc Jan '59
Schweigert, Luella	Chief Steno	F-5	354.67	64.10	8.87	- -	- -	281.70	Inc Jan '59
Timm, Robert J.	Asst. St. Engr.	K-7	668.67	68.80	16.72	12.60	- -	570.55	Inc Mar '59
Walterson, Howard	Const. Foreman	F-9	392.67	61.30	9.82	12.60	- -	308.95	Per Mar '59
Walterson, Jean	Clerk-Typist	D-3	238.50	12.80	5.96	- -	- -	219.74	Inc Jan '59
Ziegler, Victor	Engineer	J-3	547.67	79.00	13.69	12.60	- -	442.38	Inc Dec '58

*Personal Property Taxes

PAYROLL
 NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MARCH 31, 1959

TEMPORARY EMPLOYEES

Name	Position	Salary March	With. Tax	Soc. Sec.	Net Pay	Remarks
Burkhardmeier, Albert	Operator	386.26	60.70	9.66	315.90	Working by the hour
Knutson, Lewis M.	Driller	111.15	15.00	2.78	93.37	" " " "
McMaster, George	Driller	382.50	50.40	9.56	322.54	" " " "
Randall, Robert	Operator	414.23	64.80	10.36	339.07	" " " "
Renville, Harry	Operator	279.51	43.90	6.99	228.62	" " " "
Urness, Joseph G.	Operator	340.20	52.30	8.51	279.39	" " " "
*Walterson, Howard W.	Operator	59.20	8.40	1.48	49.32	" " " "

*Transferred to Permanent Position, March 1, 1959.