

STATE WATER CONSERVATION COMMISSION
Minutes of Meeting
Held in Office of State Water Commission in
Bismarck, North Dakota
September 23, 1955

A regular meeting of the North Dakota State Water Conservation Commission was called to order on September 23, 1955, at the State Water Conservation Commission office in Bismarck, North Dakota, to consider routine business matters. The following were present:

MEMBERS OF STATE WATER CONSERVATION COMMISSION:

- Honorable Norman Brunsdale, Governor and Ex-Officio Chairman
- A. M. Christensen, Member from Minot
- Earle F. Tucker, Member from Bismarck
- Math Dahl, Commissioner of Agriculture and Labor, Member from Bismarck
- Einar H. Dahl, Member from Watford City
- Milo W. Hoisveen, Secretary and Chief Engineer, State Engineer

OTHERS PRESENT AT THE MEETING:

- L. W. Burdick, City Engineer, Portland
- Alfred Domier, Mayor, Portland
- Tom Tollefson, City Commissioner, Portland
- Fred J. Fredrickson, Planning Coordinator, State Water Commission, Valley City
- Vernon S. Cooper, Assistant Secretary, State Water Commission, Bismarck

The meeting was called to order at 10:15 o'clock a.m. by Commissioner A. M. Christensen with Commissioners Einar H. Dahl, Earle F. Tucker, Math Dahl, Secretary Milo W. Hoisveen, Assistant Secretary Vernon S. Cooper and Planning Coordinator Fred J. Fredrickson present.

It was moved by Commissioner Einar H. Dahl, and seconded by Commissioner Math Dahl, that the minutes of the meeting held on August 17, 1955, be approved. All Commissioners voted aye and the motion carried.

It was moved by Commissioner Earle F. Tucker, and seconded by Commissioner Einar H. Dahl, that the Financial Statements for August, 1955, be approved and filed in the office of the State Water Conservation Commission. All Commissioners voted aye and the motion carried.

Secretary Milo W. Hoisveen read letters from M. E. Vinje, Representative from Bottineau, and Roger A. Bond, Mayor of Bottineau, expressing appreciation to the State Water Conservation Commission for holding their August meeting at Lake Metigoshe.

Letters acknowledging receipt of the resolution passed by the State Water Conservation Commission pertaining to the continuing construction of Oahe Dam and the planning of Big Bend Dam in South Dakota were read to the Commissioners by Secretary Milo W. Hoisveen. Such letters were received from Murray Snyder, Acting Secretary to the President; Carl H. Schwartz, Jr., Chief, Resources and Civil Works Division of the Bureau of the Budget; Representative Otto Krueger; Senator Milton R. Young's office and Senator William Langer's office. It was suggested by Commissioner A. M. Christensen that copies of the resolution be forwarded to members of the South Dakota congressional delegation.

Secretary Milo W. Hoisveen read letters from William J. Sturlaugson, Pembina County Auditor, requesting state participation in the construction of two small retention dams at the mouth of Drain #13 and also in the cleaning out of Drain #17, both in Pembina County. The dams to be constructed on Drain #13 are necessitated by erosion at the mouth of the drain and will cost approximately \$1,500.00 each. The proposed cleaning out of Drain #17 will cost about \$5,000.00. The State Water Conservation Commission can participate to the extent of 40 per cent of the repair costs.

It was moved by Commissioner Earle F. Tucker, and seconded by Commissioner Einar H. Dahl, that the State Water Conservation Commission participate in the construction of two small retention dams at the mouth of Drain #13 and in the repair of Drain #17 and allocate \$1,200.00 and \$2,000.00 from the 1953-57 drainage appropriation as their 40 per cent share of the costs of each project respectively. Upon roll call by Commissioner A. M. Christensen, Commissioners Einar H. Dahl, Earle F. Tucker, Math Dahl and A. M. Christensen all voted aye. Motion carried.

It was reported by Secretary Milo W. Hoisveen that the City of Minot recently filed a water-right application requesting the diversion of 6,700 acre feet annually from the Souris River for municipal purposes. This application is supplemental to a previous water right in the same amount granted to the City of Minot by the State Water Conservation Commission. The previous application, however, is still pending approval by the International Joint Commission. This matter was presented for consideration at a recent International Joint Commission meeting held in Minot. In view of the fact that an International Joint Commission meeting is scheduled for Ottawa in October, it was Secretary Hoisveen's opinion that the present application for additional water for the City of Minot should also be approved by the State Water Conservation Commission even though the public hearing on this right will not be held until October 31st.

It was moved by Commissioner Einar H. Dahl, and seconded by Commissioner Earle F. Tucker, that the State Water Conservation Commission approved the City of Minot's water-right application for 6,700 acre feet of water to be diverted annually from the Souris River for municipal purposes, contingent on the outcome of the public hearing to be held October 31. Upon roll call by Commissioner A. M. Christensen, all Commissioners voted aye and the motion carried.

A water-right application from the City of Westhope requesting the diversion of 693 acre feet of water annually from the lower Souris River for municipal purposes was also presented to the Commission by Secretary Milo W. Hoisveen. The City of Westhope presently obtains their water supply from two wells; however, these wells are proving unsatisfactory and the city proposes to pipe water from the Souris River, a distance of three miles. This application will also be presented to the International Joint Commission for approval at the Ottawa meeting.

It was moved by Commissioner Earle F. Tucker, and seconded by Commissioner Einar H. Dahl, that the State Water Conservation Commission approve the City of Westhope's water-right application for 693 acre feet of water to be diverted annually from the lower Souris River for municipal purposes, contingent on the outcome of the hearing to be held October 3. Upon roll call by Commissioner A. M. Christensen, all Commissioners voted aye and the motion carried.

Secretary Milo W. Hoisveen read a letter from Brig. General E. C. Itschner, Assistant Chief of Engineers for Civil Works, pertaining to the Upper West Souris

Water Conservation and Flood Control project. The proposed project would include cutting through two hills near Lake Darling in order to release floodwaters that have been trapped in this pocket. If the project was accomplished it would release a maximum flow approximating 500 cubic feet per second into Lake Darling. Secretary Hoisveen reported that the U. S. Fish and Wildlife Service is somewhat apprehensive about diverting the water into Lake Darling; however, it might be possible to divert the water back into the Upper Des Lacs Lake. The Corps of Engineers has been allocated \$1,000.00 to carry out preliminary studies on the project.

It was reported by Secretary Milo W. Hoisveen that a joint meeting of the Boards of Directors of the Sweetwater-Dry Lake, Chain Lakes and Upper West Souris Water Conservation and Flood Control Districts was held in Devils Lake on September 20. Secretary Hoisveen stated that the two Ramsey County districts have already set a 3 mill levy on all taxable property within the districts. It was also brought out that all three of the proposed projects within the districts will cost much more than originally anticipated, and, therefore, will be considerably in excess of the \$150,000 limitation on 212 projects. It was the general opinion that these projects will have to be constructed under a regular flood control appropriation, if and when they are constructed.

Secretary Milo W. Hoisveen stated that the City of Portland has requested the State Water Conservation Commission to construct a dam in the Portland City Park in an effort to stabilize the water table in that locality. The City of Portland obtains their municipal water from wells in the park and when the water level recedes they cannot obtain an adequate supply. Secretary Hoisveen informed the Commissioners that borings were made in the vicinity of the well relative to the construction of a dam and the borings indicated that if the water level was raised 12 or 14 feet it would flow through the porous soil into the wells and maintain an adequate supply for the City of Portland. He stated that soils in that area are very porous and would not provide good footings for a dam. He further stated that the city is desirous of constructing a project immediately but that it would be impossible for the Commission to do so in view of the heavy work schedule and limited crews. Therefore, Secretary Hoisveen suggested that proponents of the dam have a private engineering firm make estimates and design the structure. It was reported that a delegation from Portland would be present at the afternoon meeting.

A letter from A. J. Christopher, Mayor of the City of Pembina, pertaining to the repair of the Pembina Dam was read to the Commission by Secretary Milo W. Hoisveen. The City of Pembina obtains their municipal water supply from this dam which presently shows signs of deterioration, and is in need of repair. Secretary Hoisveen pointed out that if the dam was raised sufficiently to sustain fishlife, the State Game and Fish Department might also participate in the costs of repair.

It was moved by Commissioner Earle F. Tucker, and seconded by Commissioner Einar H. Dahl, that the State Water Conservation Commission repair the Pembina City Dam and authorize participation to the extent of one-third of the costs of repairs, providing the State Game and Fish Department will also participate in the project. Upon roll call by Commissioner A. M. Christensen, Commissioners Earle F. Tucker, Math Dahl, Einar H. Dahl and A. M. Christensen all voted aye. Motion carried.

Secretary Milo W. Hoisveen read a resolution from the City of Oakes relative to lowering the existing auxiliary spillway of Dakota Lake to alleviate flooding of adjacent lands. It was pointed out that Dakota Lake Dam backs water

for approximately 15 miles to the City of Oakes. The City of Oakes has been dumping raw sewage into this lake which acts as a lagoon; however, some of the farmers adjacent to the impoundment have contended that the lake is too high and have requested that it be lowered to alleviate flooding. The State Water Conservation Commission reviewed the problem and obligated \$6,000.00 toward the construction of an auxiliary spillway to correct the flood conditions. The U. S. Fish and Wildlife Service also received an appropriation of \$6,000.00 to cooperate in the construction of the spillway. However, recently Mayor L. C. Mueller of Oakes proposed that the existing spillway be cut down 8 inches which apparently alleviate the flooding. Secretary Hoisveen stated that this could be accomplished for considerably less than the construction of another spillway. The Fish and Wildlife Service is in accord with this proposal. It would, however, be necessary for the State Water Conservation Commission to purchase the land and turn it over to the Fish and Wildlife Service as they are not permitted to expend funds on land they do not own. No definite action will be taken until this project has been proposed to the farmers adjacent to the impoundment.

Assistant Secretary Vernon S. Cooper reported that Ralph Bender, Mayor of Cooperstown, recently appeared in the Commission office to request the repair of Ueland Dam. Mr. Bender stated that last year the City of Cooperstown expanded their water system and drilled several wells in the Sheyenne Valley. It is their opinion that their water supply is dependent on a high level in Ueland Dam. Mr. Bender said that the city will be willing to participate in the repair of this dam. Secretary Milo W. Hoisveen informed the Commissioners that he had recently inspected the dam and that a rough estimate of the cost of repairs would approximate \$13,500.00. This would afford the Commission an opportunity to make an excellent job of the project. If the State Game and Fish Department will participate in the project, the City of Cooperstown, the State Game and Fish Department and the State Water Conservation Commission would each contribute one-third of the costs of repairs or approximately \$4,500.00. Secretary Hoisveen pointed out that further subsurface investigations would be carried out to determine the extent of the needed repairs.

It was moved by Commissioner Earle F. Tucker, and seconded by Commissioner Math Dahl, that the State Water Conservation Commission repair Ueland Dam and authorize participation to the extent of one-third of the costs of repair, providing further investigation justifies the project. Upon roll call by Commissioner A. M. Christensen, Commissioners Earle F. Tucker, Math Dahl, Einar H. Dahl, and A. M. Christensen all voted aye. Motion carried.

Correspondence from A. O. Wang, Williams County Auditor, pledging participation by Williams County in the amount of \$2,150.00 in the repair of Epping-Springbrook Dam was read by Secretary Milo W. Hoisveen. The State Game and Fish Department and the State Water Conservation Commission will also contribute one-third of the costs of repair.

It was moved by Commissioner Einar H. Dahl, and seconded by Commissioner Math Dahl, that the State Water Conservation Commission repair Epping-Springbrook Dam and authorize participation to the extent of \$2,150.00 or one-third of the costs of repairs. Upon roll call by Commissioner A. M. Christensen, Commissioners Earle F. Tucker, Math Dahl, Einar H. Dahl and A. M. Christensen all voted aye. Motion carried.

Secretary Milo W. Hoisveen reported that the reconstruction of Danzig Dam (Storm Creek Dam) is progressing satisfactorily. The dam being constructed will be 20 feet in height and the cost will approximate \$44,000.00 of which the State

Game and Fish Department and the U. S. Fish and Wildlife Service will assume \$32,000.00. The State Water Conservation Commission is constructing the dam and will absorb the remaining construction costs.

It was pointed out by Secretary Milo W. Hoisveen that it was found feasible to haul ready-mix cement from Mandan, North Dakota, to Danzig Dam, a distance of 39 miles, rather than mixing it on the job. Secretary Hoisveen stated that he desired the opinion of the Commissioners relative to this procedure.

It was moved by Commissioner Math Dahl, and seconded by Commissioner Einar H. Dahl, that it be left to the discretion of the State Engineer whether the concrete used for dam repair projects be hauled or mixed on the job, depending upon the cost and the availability of ready-mix concrete. Upon roll call by Commissioner A. M. Christensen, all Commissioners voted aye and the motion carried.

Governor Brunsdale entered the meeting at 11:25 o'clock a.m.

According to Secretary Milo W. Hoisveen, a new face was recently placed on Spring Lake Dam near Rhame by use of the newly purchased bondactor machine. This job was performed to permit the factory representative to train our operators. The State Game and Fish Department and the State Water Conservation Commission each contributed one-half of the approximate cost of \$3,000.00. The bondactor is performing up to expectations and will aid materially in cutting costs of future repair work.

Secretary Hoisveen reported that the bondactor was also used to repair Carpio Dam. The cost of repairs was approximately \$3,000.00 of which the Village of Carpio has agreed to contribute \$400.00, Ward County \$1,100.00 and the State Water Conservation Commission \$1,500.00. However, in Secretary Hoisveen's opinion, the repairs will be completed at a cost considerably below the estimate.

It was reported that crews are currently repairing Cat Coulee Dam which is located 18 miles north of Carson. The bondactor machine is being used in the repair of this structure.

It was pointed out that Secretary Milo W. Hoisveen and I. A. Acker, Legal Counsel for the State Water Conservation Commission, have been requested by officials of the United States Section of the International Joint Commission to confer in Washington, D. C., with them relative to the preparation of briefs on North Dakota water-right applications for Souris River water for presentation at the International Joint Commission meeting in Ottawa on October 4 and 5.

It was moved by Commissioner A. M. Christensen, and seconded by Commissioner Earle F. Tucker, that the State Water Conservation Commission authorize Secretary Milo W. Hoisveen and I. A. Acker, Legal Counsel for the State Water Conservation Commission, to confer in Washington, D. C., with International Joint Commission officials relative to North Dakota applications for Souris River water. Upon roll call by Governor Brunsdale, all Commissioners voted aye and the motion carried.

Assistant Secretary Vernon S. Cooper reported that he had attended a meeting with representatives of the Bureau of Reclamation and the Corps of Engineers on August 30 pertaining to the Pembina River Dam and proposed irrigation project. It was brought out at this meeting that there appears to be up to 150,000 acres of irrigable land in the area; however, irrigation development will depend greatly on the water supply. The Bureau of Reclamation will use three bases to determine the extent of the available water supply. First, to depend entirely on the drainage basin of the Pembina River in both the United States and Canada; second, to

depend entirely on the drainage basin of the Pembina River in both the United States and Canada; and third, to depend on a combination of one of the first two methods plus the diversion of Missouri River water from the Souris River in Canada. However, it was stated by Bureau officials that this plan would not be investigated very extensively. It was pointed out that with the additional benefits that could be derived from irrigation, the project could be justified. The Corps of Engineers stated that the cost of the dam and reservoir to provide 80,000 acre feet for irrigation would approximate \$7,000,000. The Corps believes they can show benefits amounting to \$3,500,000 for the project and the Bureau of Reclamation can show irrigation benefits of \$5,000,000 for an 8,000 acre project, making the total benefits \$8,500,000. The Bureau of Reclamation has not progressed too rapidly with their investigation and have scheduled their reconnaissance report, which is very preliminary in nature, to be completed by the end of fiscal year 1957. The Corps of Engineers expressed a desire to have this report by January 1957.

Commissioner Math Dahl left the meeting at 12:00 o'clock noon.

Secretary Milo W. Hoisveen read a letter from R. L. Dushinske, Chairman of the Program Committee of the North Dakota Reclamation Association, pertaining to the state convention to be held at Harvey on November 14 and 15. It was pointed out that it has been customary for the Water Commission to hold a meeting in conjunction with the convention. It was the opinion of the Commissioners that a meeting should be held the morning of November 14 at Harvey, if possible. Secretary Hoisveen will appear on the program to review the activities of the State Water Conservation Commission.

A letter of invitation to the National Reclamation Association convention in Lincoln, Nebraska, on October 24, 25 and 26 from Governor Victor E. Anderson of the State of Nebraska was read by Secretary Milo W. Hoisveen. Commissioners A. M. Christensen, Curtis Olson, Oscar Lunseth, Earle F. Tucker, Secretary Milo W. Hoisveen, Assistant Secretary Vernon S. Cooper and Planning Coordinator Fred J. Fredrickson have indicated that they plan to attend the convention.

It was reported by Secretary Milo W. Hoisveen that the 28th Annual Convention of the Association of Western State Engineers is scheduled for Denver, Colorado, on September 26, 27 and 28; S. S. Westgate, Assistant State Engineer was delegated to attend the convention.

Secretary Milo W. Hoisveen stated that in response to several requests from uranium interests for information about water resources in the southwestern part of North Dakota, a brief was compiled containing considerable information relative to the availability of water in that area. Secretary Hoisveen read a letter from George Swatek of Peter Kiewit Sons' Company expressing appreciation for this report.

Governor Brunsdale informed the Commissioners that at a recent meeting of the Missouri River States Committee it was decided not to press legislation concerning the proposed Missouri River Compact.

The meeting recessed at 12:20 o'clock p.m. to reconvene at 2:00 o'clock p.m. with Governor Brunsdale, Commissioners A. M. Christensen, Earle F. Tucker, Einar H. Dahl, Secretary Milo W. Hoisveen, L. W. Burdick, City Engineer, Portland, Alfred Domier, Mayor of Portland, Tom Tollefson, Portland City Commissioner, present.

Secretary Milo W. Hoisveen briefly reviewed the request made by the City of Portland calling for the construction of a dam in the Portland City Park in

order to stabilize the level of the wells from which the city's water supply is obtained. Secretary Hoisveen pointed out that since footings along the Goose River are unfavorable for dam construction, it would be necessary to construct either a timber crib type of structure or a sheet piling dam. He stated that water would percolate from the reservoir into the wells if a dam was constructed. The dam would be a multiple purpose structure in view of the fact that its location in the park would permit it to serve for fishing and recreational purposes as well as for the municipal water supply. Since the State Water Conservation Commission would be unable to construct the dam immediately, Secretary Hoisveen suggested that they dam up the channel temporarily with dirt, rocks and other materials in order to retain any flow that might occur in the Goose River this fall. Such a structure could raise the water table considerably. Secretary Hoisveen further stated that it would be possible for the State Water Conservation Commission to undertake construction of the dam in this area in the spring. During the winter an estimate of the cost of construction will be prepared and it was also proposed that the dam be let out on bids in order to ascertain whether or not it could be constructed at a lower cost by an individual contractor than by the State Water Conservation Commission. It was suggested that the State Game and Fish Department be requested to participate in the project. Mr. L. W. Burdick, Consulting Engineer, made very favorable comments regarding the State Water Conservation Commission's dam repair program. He stated that there were no contractors available to do this type of work. He also commented favorably on the specialized dam design crew maintained by the Commission.

The Portland delegation left the meeting at 2:30 o'clock p.m.

Planning Coordinator Fred J. Fredrickson entered the meeting at 2:30 o'clock p.m.

Fred J. Fredrickson, Planning Coordinator for the State Water Conservation Commission, presented a resolution to the Commissioners commending the subcommittee of the House Committee on Judiciary for holding hearings in Devils Lake on September 20 relative to the Lake Alice flood conditions.

It was moved by Commissioner A. M. Christensen, and seconded by Commissioner Earle F. Tucker, that the following resolution be adopted.

R E S O L U T I O N

Of

North Dakota State Water Conservation Commission
 commending subcommittee of House Committee on
 Judiciary for holding hearings in North Dakota.

WHEREAS, a subcommittee of the Committee on Judiciary, House of Representatives, 84th Congress, 1st Session, composed of the Honorable Thomas J. Lane, of Massachusetts, Chairman, the Honorable Edwin E. Willis, of Louisiana, and the Honorable Usher L. Burdick, of North Dakota, accompanied by General Counsel Walter R. Lee, did on September 20-21, 1955, conduct hearings in Devils Lake, North Dakota, on H.R. 6421, sponsored by Congressman Burdick, for the relief of certain individuals whose land was flooded by action of the Federal Government in the Lake Alice area in Ramsey County, North Dakota; And

WHEREAS, the holding of such hearings in Devils Lake was a great convenience to the claimants who wished to attend, and a substantial saving of time and money to the witnesses; And

WHEREAS, it was developed at such hearings that the affected and contributing areas need to be further surveyed and investigated in order to determine what measures for the future protection from recurring floods should be proposed, toward which investigational work the current Congress appropriated \$10,000 to the Corps of Engineers for the initiation thereof;

NOW, THEREFORE, BE IT RESOLVED: by the North Dakota State Water Conservation Commission, in regular meeting assembled in the State Capitol, Bismarck, North Dakota, this 23rd day of September, 1955, that our Congressman, the Honorable Usher L. Burdick, be, and he is hereby, commended for inviting, and the Chairman, the Honorable Thomas J. Lane, be, and he is hereby, commended for scheduling and holding the hearings in Devils Lake, and all the members of the subcommittee are commended for the sympathetic manner in which the proceedings were conducted, for their personal interest in the plight of the claimants, and for taking time to visit the flooded areas; and

BE IT FURTHER RESOLVED: that the subcommittee be, and it is hereby, requested to use its good offices to urge the Corps of Engineers to present adequate estimates, and the Bureau of the Budget to approve and recommend the same for appropriation by the next session of Congress for the early completion of the needed and necessary surveys, investigations and report, already initiated, to the end that the claimants may know as soon as possible what remedial measures may be proposed for their future security from recurring damages by flooding; and

BE IT FURTHER RESOLVED: that copies hereof be mailed to the members of the subcommittee, to the North Dakota members in Congress, and to the several individuals listed in said bill.

Upon roll call by Governor Brunsdale, all Commissioners voted aye and the motion carried.

Secretary Milo W. Hoisveen stated that all of the witnesses who appeared at the Lake Alice hearing expressed their appreciation for the efforts of the State Water Conservation Commission to correct the flood problem. He further stated that the Chairman of the Committee, Thomas J. Lane, also commended the work done by the Commission.

A resolution urging the immediate installation of the two final generators in Garrison Dam to provide the maximum power benefits was presented by Planning Coordinator Fred J. Fredrickson.

It was moved by Commissioner A. M. Christensen, and seconded by Commissioner Einar H. Dahl, that the following resolution be adopted.

R E S O L U T I O N

Of

North Dakota State Water Conservation Commission
requesting and urging the early completion of the
maximum power facilities at the Garrison Dam.

WHEREAS, the huge multipurpose Garrison Dam and Reservoir project on the Missouri River in North Dakota is now entering the final stages of construction; And

WHEREAS, the project includes a hydroelectric plant designed to accommodate

five power generating units of 80,000 kilowatts capacity each, of which 3 are planned for initial installation in the next year, the remaining 2 units to be installed as and when increased power demand may require and budgetary provision therefor has been made; And

WHEREAS, the first session of the 84th Congress again affirmed the position of previous Congresses - that the Garrison Reservoir was authorized to be constructed and operated at a maximum normal pool elevation of 1,850 feet, mean sea level - and directed that it be completed to operate at that height in order that the maximum benefits for which it was authorized may be obtained from the project; And

WHEREAS, statements and testimony of qualified witnesses appearing before committees of Congress have agreed that there is a rapidly-developing need for additional power capacity to meet an increased demand for power production in the Missouri River Basin, and they have urged that such need and demand be first met by the early installation of the two final authorized power generating units in the Garrison Dam powerplant, where room for them has been provided, and where an adequate water supply for their operation will soon become available with an 1850-foot operating reservoir level; And

WHEREAS, it further appears from hearings before committees of the current Congress that the Bureau of the Budget has anticipated such additional power need and has indicated that extra power units could be installed "faster and cheaper" in the powerplant at the Garrison Dam, where space therefor has been provided, than at another point in the Basin where a second powerplant would have to be built;

NOW, THEREFORE, BE IT RESOLVED: by the North Dakota State Water Conservation Commission, in regular meeting held in the State Capitol, Bismarck, North Dakota, August 23, 1955, that the U. S. Army Corps of Engineers, the Assistant Secretary of Interior for Water and Power, and the Bureau of the Budget be, and they are hereby petitioned and urged to forthwith develop, approve and recommend adequate estimates for the planning, designing, construction and installation of the two final, of a total of five, authorized 80,000-kilowatt power units in the Garrison Dam powerplant, and the North Dakota members in Congress are hereby respectfully requested to do everything possible to obtain such estimates and to vigorously support their approval in the next session of Congress; And

BE IT FURTHER RESOLVED: that copies hereof be mailed to The President, the Assistant Secretary of the Interior for Water and Power, the Chief of Engineers, the Director of the Bureau of the Budget, Senators William Langer and Milton R. Young, and Representatives Usher L. Burdick and Otto Krueger, all of Washington 25, D. C.

Upon roll call by Governor Brunsdale, all Commissioners voted aye and the motion carried.

Commissioner Math Dahl entered the meeting at 3:00 o'clock p.m.

The possibility of holding a State Water Conservation Commission meeting in conjunction with the Missouri Basin Inter-Agency Committee meeting in Minot on November 2 was discussed. It was suggested that this meeting be recessed and reconvene at Harvey on November 14 in view of the short period of time between the two meeting dates. Secretary Milo W. Hoisveen read a letter from Roy A. Holand, Chairman of the Board of Directors of the Garrison Diversion Conservancy District, stating that the Board of Directors will be glad to participate in the Inter-Agency meeting. A representative of the Colorado-Big Thompson Conservancy

District will also appear on the program to discuss the functions of that district.

Secretary Milo W. Hoisveen read a letter from Evan E. Lips, Mayor of the City of Bismarck, expressing appreciation to the Commission for granting the City of Bismarck's water-right application for 50,000,000 gallons of water per day to be diverted from the Missouri River for municipal purposes.

Assistant Secretary Vernon S. Cooper entered the meeting at 3:05 o'clock p.m.

The proposed Golden Lake Restoration Project was reviewed briefly by Secretary Milo W. Hoisveen. He pointed out that at the August 17th meeting held at Lake Metigoshe, proponents of the project were advised that the Commission could not pledge participation in the project until available funds had been evaluated. Secretary Hoisveen said that funds would be available at present to construct a dam on Beaver Creek which would constitute the first phase of the project. The construction of this dam would be an incentive for local proponents to obtain the necessary easements and rights-of-way. The construction costs for this dam would approximate \$25,000.00. The estimated cost of the total restoration project is \$69,000.00. It was suggested that the State Game and Fish Department be requested to contribute three-fourths of the costs of the entire project in view of the fact they are reimbursed by federal funds for three-fourths of their expenditures on such projects. The State Water Conservation Commission would assume one-fourth of the cost or approximately \$17,500.00.

It was moved by Commissioner Math Dahl, and seconded by Commissioner A. M. Christensen, that the State Water Conservation Commission authorize participation in the Golden Lake Restoration Project to the extent of \$17,500.00, providing local proponents obtain the necessary easements and land acquisitions and further providing that the State Game and Fish Department will contribute the remainder of the funds needed for the project. Upon roll call by Governor Brunsdale, Commissioners A. M. Christensen, Earle F. Tucker, Math Dahl, Einar H. Dahl and Governor Brunsdale all voted aye. Motion carried.

A bill from James J. Flannery, President of the North Dakota Reclamation Association, for expenses in the amount of \$212.51 incurred while attending congressional hearings in Washington, D. C., was presented for approval by Secretary Milo W. Hoisveen.

It was moved by Commissioner A. M. Christensen, and seconded by Commissioner Earle F. Tucker, that the State Water Conservation Commission authorize payment of \$212.51 to the North Dakota Reclamation Association for services rendered in connection with congressional hearings held in Washington, D. C. Upon roll call by Governor Brunsdale, Commissioners A. M. Christensen, Earle F. Tucker, Math Dahl, Einar H. Dahl and Governor Brunsdale all voted aye. Motion carried.

Secretary Milo W. Hoisveen stated that a resolution and petition have been received from the Bottineau County Commissioners requesting the creation of a water conservation and flood control district in the Oak Creek watershed. The creation of this district would afford the proponents of the Lake Metigoshe project a legal entity with which to contract with state and federal agencies for the construction of their project. It was pointed out that the boundaries of the proposed district may have to be changed after a public hearing has been held.

It was moved by Commissioner Math Dahl, and seconded by Commissioner Earle F. Tucker, that the State Engineer schedule and hold a hearing on the request

from Bottineau County for the formation of a water conservation and flood control district. Upon roll call by Governor Brunsdale, all Commissioners voted aye and the motion carried.

Correspondence from Richard Oium, Chairman of the Eaton Project, Towner North Dakota, requesting that an engineer from this office inspect the Eaton Dam was read by Secretary Milo W. Hoisveen. Mr. Oium stated that there was considerable erosion of the east river bank just below the dam. This inspection will be carried out in the near future.

Secretary Milo W. Hoisveen read a letter from Charles Byers, Egeland, North Dakota, pertaining to seepage from the Snyder Lake Dam reservoir. Mr. Byers requested that a representative of the State Water Conservation Commission investigate the problem. Secretary Hoisveen stated that the drilling machine will be used to determine the location of the seepage veins.

Commissioner Earle F. Tucker left the meeting at 3:30 o'clock p.m.

A report of the activities of the state-owned drilling rig during August from John E. Powell, Engineer for the U. S. Geological Survey, was read by Secretary Milo W. Hoisveen. Test drilling operations were carried out in a glacial outwash area in Kidder County as well as near Napoleon in Logan County. The rig was moved to Lehr, North Dakota, to investigate an emergency water shortage there. After a brief reconnaissance of the area it was believed possible that the well they now use obtains water from a drift aquifer; however, further investigation will be necessary to confirm this observation.

Secretary Hoisveen presented a letter from F. J. Woell, City Attorney for the City of Casselton, requesting a groundwater survey for that city. Mr. Woell stated they presently pump from two wells at the rate of approximately 50 gallons per minute; however, only one well can be pumped at a time since by pumping one well it affects the draw down of the other. Secretary Hoisveen reported that the Commission's funds for this purpose are almost depleted; therefore, this survey will necessarily be limited by the amount of available funds.

A letter from Dr. Wilson M. Laird, State Geologist, to Mr. L. W. Veigel, Consulting Engineer, pertaining to a groundwater survey for the Village of Bowman was read to the Commission by Secretary Milo W. Hoisveen. Dr. Laird suggested that the State Water Conservation Commission and the Village of Bowman each contribute \$500.00 with the U. S. Geological Survey contributing \$1,000.00 towards this survey. The State Water Conservation Commission's participation will be dependent upon the availability of funds in the budget.

Secretary Milo W. Hoisveen reported that Odland Dam, which is located north of Beach, is in need of repair. He stated that it will be necessary to place grout underneath the spillway which has become hollow, in order to seal off the seepage. The face of the dam will also be repaired. The estimated costs of repair to this dam are \$4,500.00 of which the State Game and Fish Department, Golden Valley County and the State Water Conservation Commission will each pay \$1,500.00.

It was moved by Commissioner A. M. Christensen, and seconded by Commissioner Math Dahl, that the State Water Conservation Commission repair Odland Dam and authorize participation to the extent of one-third of the costs of repair or approximately \$1,500.00. Upon roll call by Governor Brunsdale, Commissioners A. M. Christensen, Einar H. Dahl, Math Dahl and Governor Brunsdale all voted aye. Motion carried.

It was moved by Commissioner A. M. Christensen, and seconded by Commissioner Math Dahl, that the action of the State Engineer in granting the application of Frederick Wolhowe, Verendrye, North Dakota, for a permit to divert and appropriate water from the Souris River, for the irrigation of 30.0 acres of land, described as S $\frac{1}{2}$ NE $\frac{1}{4}$ of Section 19, Township 15 $\frac{1}{2}$ N., Range 78 W., located in McHenry County, North Dakota, be approved and limited to an annual diversion of 60.0 acre feet of water, subject to all prior and existing water-rights and appropriations covering the Souris River and subject to approval by the International Joint Commission. Upon a unanimous vote of the Commissioners, the motion carried.

It was moved by Commissioner A. M. Christensen, and seconded by Commissioner Math Dahl, that the action of the State Engineer in granting the application of Frederick Wolhowe, Verendrye, North Dakota, for a permit to divert and appropriate water from two ox-bow reservoirs adjacent to the Souris River, for the irrigation of 214.0 acres of land, described as NE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$; W $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 19, NE $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 30, Township 15 $\frac{1}{2}$ N., Range 78 W., located in McHenry County, North Dakota, be approved and limited to an annual diversion of 428.0 acre feet of water, subject to all prior and existing water-rights and appropriations covering the two ox-bow reservoirs adjacent to the Souris River and subject to approval by the International Joint Commission. Upon a unanimous vote of the Commissioners, the motion carried.

The meeting adjourned at 3:45 o'clock p.m.

Respectfully submitted,

Milo W. Hoisven
Secretary

ATTEST:

Journeal Bunsdale
Chairman

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF SEPTEMBER 30, 1955
 1955-1957 APPROPRIATIONS

Fund No.	Available July, 1955 to	Expended Aug. 31, 1955	Expended to Sept. 1, 1955	Balance Sept. 30, 1955
1. Commissioners-Per Diem & Expense	\$ 6,000.00	\$	\$ 171.45	\$ 5,828.55
2. Administrations.	40,000.00	3,718.88	2,267.45	34,052.52
Collections and Refunds.	38.85			
3. Maintenance of Dams.	100,000.00	8,399.61	13,094.08	78,576.31
Collections and Refunds.	70.00			
4. International & Interstate-Commission's Conference Expenses.	8,000.00	176.87	245.83	7,577.30
5. Topographic & Conservation Cooperation with U.S.G.S.	30,000.00			30,000.00
6. Hydrographic & Conservation Cooperation with U.S.G.S.	25,000.00			25,000.00
7. Engineering & Geological Survey & Dem.	35,000.00	1,810.00	1,206.68	31,983.32
8. Cooperation with U.S. Departments & for Organizing Conservation & Irrigation Districts.	40,400.00	5,559.15	1,413.37	33,427.48
9. Small Projects & Investigations & Surveys.	106,000.00	8,394.50	5,242.45	92,363.05
10. Water Right Investigations.	12,000.00	460.99	476.47	11,062.54
	<u>\$402,508.85</u>	<u>\$ 28,520.00</u>	<u>\$ 24,117.78</u>	<u>\$349,871.07</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MONTHLY REPORT OF APPROPRIATIONS AS OF SEPTEMBER 30, 1955
1953-55 APPROPRIATIONS

Fund No.	Available July, 1953	Expended to Aug. 31, 1955	Expended to Sept. 1, 1955	Balance Sept. 30, 1955
1. Commissioners-Per Diem & Expense.	\$ 6,000.00	\$ 5,119.08	\$ 88.94	\$ 791.98
2. Administrations.	40,000.00	39,432.08	679.26	120.50
Collections & Refunds.	231.84			
3. Maintenance of Dams.	100,000.00	147,603.71	1,496.36	7,157.72
Refunds & Deposits	56,257.79			
4. International & Interstate - Commission's Conference Expenses.	8,000.00	7,445.26	554.74	NIL
5. Topographic & Conservation Cooperation with U.S.G.S.	30,000.00	33,000.00		NIL
Transfer from #10.	3,000.00			
6. Hydrographic & Conservation Cooperation with U.S.G.S.	25,000.00	24,773.56	2,726.42	.02
Transfer from #10.	2,500.00			
7. Salary-State Engineer.	6,000.00	6,000.00		NIL
9. Engineering & Geological Survey & Dem.	35,000.00	32,427.47		6,072.53
Transfer from #10.	3,500.00			
10. Cooperation with U.S. Departments & for Organiz- ing Conservation & Irr. Districts.	50,000.00	40,935.81		64.19
Less Transfers.	9,000.00			
11. Small Projects & Other Investigations.	100,000.00	93,582.64	4,240.76	4,713.22
Collections and Refunds.	2,536.62			
	<u>\$459,026.25</u>	<u>\$430,319.61</u>	<u>\$ 9,786.48</u>	<u>\$18,920.16</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF SEPTEMBER 30, 1955
 CONSTRUCTION & RECONSTRUCTION DRAIN OR IRRIGATION
 1953-1957

Appropriation Title	Available July 1, 1953	Expenditures to Sept. 1955	Balance Sept., 1955
Construction and Reconstruction Drains or Irrigation	\$ <u>140,000.00</u>	\$ <u>521.98</u>	\$ <u>112,893.81</u>
	\$ <u>140,000.00</u>	\$ <u>521.98</u>	\$ <u>112,893.81</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF SEPTEMBER 30, 1955
 CONSTRUCTION BOND GUARANTY FUND (CONTINUING APPROPRIATION)

Appropriation Title	Balance July 1, 1953	Expended	Balance Sept. 30, 1955
Construction Bond Guaranty Fund	\$ <u>70,541.00</u>	NIL	\$ <u>70,541.00</u>
	\$ <u>70,541.00</u>	NIL	\$ <u>70,541.00</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
DEPOSITS IN THE BANK OF NORTH DAKOTA
SEPT. 30, 1955

Source of Deposits	Transit Number	Amount Deposited	Expended Sept. 30, 1955	Balance Sept. 30, 1955
Collections on Yellowstone Pumping Irrigation District \$3,500.00 warrant. Tax collections for partial payment of interest and principal to April, 1953.				
	501-118	\$ 2,021.65		\$ 2,021.65
Contributions for Groundwater Surveys:				
Fessenden \$ 1,000.00	Hunter	\$ 750.00		
Mountain 100.00	Tioga	1,000.00		
Maddock 750.00	Mohall	1,000.00		
Lakota 1,000.00	Richardton	750.00		
Rolla 750.00	Bowbells	1,000.00		
Devils Lake 7,500.00	Michigan	580.00		
Aneta 1,000.00	Wimbledon	1,000.00		
Litchville 1,000.00	Fairmount	1,000.00		
Wyndmere 1,000.00	Hope	1,000.00		
Portland 700.00	Sharon	250.00		
Kindred 1,000.00	Stanley	1,500.00		
Mylø 250.00	Upham	750.00		
Neché 300.00	Minnewaukan	1,000.00		
Transfer .10	Streeter	1,000.00		
St. John 750.00	Powers Lake	250.00		
Hankinson 1,000.00	Landa	250.00		
Grafton 500.00	Hettinger	2,500.00	501-128	36,180.60
			\$	20,726.13
				15,454.47
Booklet	501-127	2,887.57	1,488.32	1,399.25
TOTAL OF ALL BANK OF NORTH DAKOTA DEPOSITS AS OF SEPTEMBER 30, 1955				<u>\$ 18,875.37</u>

PAYROLL OF
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
SEPTEMBER 30, 1955

(Permanent Employees)

Name	Position	Pay Grade	Salary Sept.	With-Tax	N.D. OASIS	Hosp. Ins.	Savings Bond	Net Pay	Remarks
Hoisveen, Milo	State Engr.-Sec'y&Ch. Eng.	K-6	651.67	88.80	13.03	9.65	18.75	521.44	Increased July 1, 1955
Anderson, Albin S.	Field Engineer	F-5	354.67	54.10	7.09	4.15	6.25	283.08	Adj. Aug., 1954
Arten, Duane	Rodman	A-1	70.00	7.98	1.40			60.62	Quit Sept. 14, 1955
Baesler, Gordon	Draftsman	B-3	176.67	22.00	3.53			151.14	Started July 25, 1955
Berge, George	Rodman	A-1	30.00	5.40	.60			24.00	Quit Sept. 6, 1955
Clark, Loraine	Bookkeeper	B-8	201.67	26.40	4.03	9.65		161.59	Increased July, 1955
Cooper, Vernon S.	Assistant Secretary	K-3	600.67	61.60	12.01	9.65		517.41	Increased July, 1955
Duppong, Esther	Clerk Typist	B-9	206.67	27.10	4.13	4.15	18.75	152.54	Increased July, 1955
Frederickson, Fred	Planning Coord.	D-5	252.00	15.40	5.04			231.56	Increased Aug., 1954
Gilbertson, Elmer	Rodman	B-1	105.64	17.29	2.11			86.24	Started Sept. 12, 1955
Hughes, Lynda	File Clerk	B-7	137.76	18.70	2.76	4.15	18.75	93.40	Increased July, 1955
Johnson, Lloyd	Construction Foreman	F-3	335.67	29.80	6.71	9.65		289.51	Increased Dec., 1954
Johnson, Robert	Administrative Assistant	B-3	176.67	22.00	3.53			151.14	Started July 1, 1955
Knutson, Lewis	Driller	B-1	105.64	17.29	2.11			86.24	Started Sept. 12, 1955
Kounts, Stanley J.	Construction Engineer	H-4	454.17	66.00	9.08	9.65		369.44	Increased July, 1955
Mees, LaDarana	Draftsman	D-1	142.50	13.11	2.85			126.54	Started Aug., 1954
Messer, Ervin	Rodman	B-2	80.08	9.66	1.60			68.82	Quit Sept. 7, 1955
Myers, Thomas	Draftsman	D-1	52.50	2.52	1.05			48.93	Quit Sept. 9, 1955
Nordstrom, Franz	Equipment Foreman	F-3	335.67	29.80	6.71			299.16	Increased July, 1955
Olson, John	Rodman	A-1	111.04	18.54	2.21			90.29	Quit Sept. 14, 1955
Pederson, Marlene	Chief Steno.	D-7	265.50	38.20	5.31	4.15		217.84	Increased July, 1955
Putz, Roy	Rodman	A-4	163.50	19.20	3.27	4.15		136.88	Increased July, 1955
Radspinner, Arthur	Instrumentman	F-3	345.17		6.90			338.27	Increased July, 1955
Reiter, Daniel	Rodman	A-4	181.67	22.80	3.63			155.24	Started Jan. 1, 1955
Sheldon, Marvin	Office Engineer	G-8	454.17	41.00	9.08	9.65		394.44	Increased July, 1955
Wahl, Robert	Instrumentman	E-2	225.00	30.70	4.50	4.15		185.65	Quit Sept. 27, 1955
Walz, Donald	Rodman	A-1	183.88	20.85	3.68			159.35	Quit Aug. 30, 1955
Westgate, Sam	Ass't. State Engineer	K-3	600.67	31.60	12.01	9.65		547.41	Increased July, 1955

PAYROLL OF
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
SEPTEMBER 30, 1955

(Temporary Employees)

Name	Position	Salary Sept.	With- Tax	N. Dak. OASIS	P.P. Taxes	Net Pay				
Carson, James	Laborer	93.13	12.20	1.86		79.07	Working	by	the	hour
Danielson, Roy	Driller	591.50	41.60	11.84		538.06	"	"	"	"
Getz, Larry	Laborer	33.75		.68		33.07	"	"	"	"
Gress, Paul	Laborer	229.38	32.20	4.59		192.59	"	"	"	"
Johnson, Howard	Laborer	73.13	10.80	1.46		60.87	"	"	"	"
McMaster, George	Driller	591.50	87.80	11.84		491.86	"	"	"	"
Meland, Arthur	Laborer	12.50		.25		12.25	"	"	"	"
Meuchel, Anton	Laborer	326.26	3.30	6.53		316.43	"	"	"	"
Mosbrucker, John	Laborer	127.50	18.30	2.56		106.64	"	"	"	"
Oakland, Myron	Laborer	50.00	6.80	1.00		42.20	"	"	"	"
Ronning, Ole	Operator	600.50	92.40	12.00		496.10	"	"	"	"
Hufsvold, Linas	Laborer	333.76	14.00	6.68		313.08	"	"	"	"
Schmitcke, Arnold	Laborer	309.39	32.80	6.19		270.40	"	"	"	"
Severson, Woel	Laborer	115.38	16.20	2.29		95.89	"	"	"	"
Sibla, Kenneth	Laborer	186.88	26.70	3.74		156.44	"	"	"	"
Sunden, Carlyle	Laborer	81.25	3.20	1.63		76.42	"	"	"	"
Thompson, Larry	Laborer	25.63	2.30	.51		22.82	"	"	"	"
Walterson, Howard	Operator	555.90	84.40	11.11		460.39	"	"	"	"
Walterson, Millard	Laborer	297.51	42.30	5.96		249.25	"	"	"	"
Watson, Lyle	Laborer	101.88	13.80	2.04		86.04	"	"	"	"