

STATE WATER CONSERVATION COMMISSION
 Minutes of Meeting
 Held in the Rudolph Hotel
 Valley City, North Dakota

September 20, 1952

On Saturday, September 20, a special meeting was called at Valley City, North Dakota, to consider the regular business of the Water Commission and to attend the dedication ceremonies at the Baldhill Dam site on the following day, Sunday, September 21. Present at this meeting were the following members of the State Water Commission:

MEMBERS OF STATE WATER CONSERVATION COMMISSION:

Hon. Norman Brunsdale, Governor and Ex Officio Chairman
 Curtis Olson, Vice Chairman, Valley City, North Dakota
 Oscar Lunseth, Member of Commission from Grand Forks
 Math Dahl, Member of Commission from Bismarck, and Commissioner of Agriculture & Labor
 J. J. Walsh, Secretary and Chief Engineer, State Engineer
 Vernon S. Cooper, Assistant Secretary, State Water Commission

OTHERS PRESENT:

Dr. E. B. Norum, Soil Scientist, North Dakota Agricultural College, Fargo, N. Dak.
 Dr. J. E. McClelland, " " " " " "
 J. C. Eaton, Fargo, Member, McHenry County Board of Flood Irrigation
 Kenneth Amon, Chief, Technical Information Branch, U.S. Corps of Engineers, Ft. Lincoln

The meeting was called to order at 2:00 by the Chairman, Governor Brunsdale, with the following named Commissioners present: Curtis Olson, Oscar Lunseth, Math Dahl and Governor Brunsdale; and Secretary J. J. Walsh and Asst. Secretary Vernon S. Cooper. Also present was Kenneth L. Amon, Corps of Army Engineers.

It was moved by Commissioner Lunseth, and seconded by Commissioner Math Dahl, that the Minutes of the State Water Commission meeting held on August 4, 1952, be approved, which motion carried by a unanimous vote of the Commission.

It was moved by Commissioner Math Dahl, and seconded by Commissioner Olson, that the Financial Reports of the Water Commission for the month of August, 1952, be approved and filed for record. Upon a unanimous vote of the Members of the Commission the motion carried.

It was moved by Commissioner Olson, and seconded by Commissioner Math Dahl, that the Minutes of the special meeting of the State Water Commission for the consideration of bids on the purchase of a truck by the State Water Commission, held on September 4, 1952, be approved. Upon a unanimous vote of the Members of the Commission the motion carried.

Consideration of, and action on, bids received for the purchase of a truck by the State Water Commission was deferred until the next meeting of the Commission, which is scheduled to be held on October 7, at Bismarck.

At 2:50 o'clock p.m., Mr. John C. Eaton, Member of the McHenry County Board of Flood Irrigation, entered the meeting and reported on the difficulty the District is having in keeping the pipes through the dam on the Eaton project at Towner free from debris which retards the flow of water during the high water period. They are presently

constructed with a 24-inch horizontal steel I beam supported on each end by upright steel posts which are braced to the I beam. The plan is to remove the structural steel I beam and place it on top of the pipe, allowing a free flow of the water and small debris through the pipes. The Water Commission has not received an estimate of the amount the work will cost in making these changes. Mr. Eaton advised the Commission that Mr. Richard Oium, Chairman of the McHenry County Board of Flood Irrigation, will be available to supervise the work. The Commission agreed to allocate sufficient funds to pay 40% of the cost. Commissioner Curtis Olson moved that the Water Commission allocate sufficient funds, not to exceed 40% of the cost, for construction work and repair on the Eaton project. The motion was seconded by Commissioner Oscar Lunseth, and upon roll call Commissioners Math Dahl, Olson, Lunseth and Governor Brunsdale all voted aye and the motion carried.

Mr. John Eaton left the meeting at 3:10 o'clock p.m.

Dr. E. B. Norum, Soil Scientist, and Dr. J. E. McClelland of the North Dakota Agricultural College, Fargo, entered the meeting at 2:55 o'clock p.m. Dr. Norum reviewed the Soil Survey program for the information of the Commission. He informed the Commission that 170,000 acres have been covered by the Soil Survey program to date in Renville and Bottineau Counties and the Oakes area, with a cost to the State of .18 per acre. Of this total, 123 sq.mi. have been surveyed in Renville County, 72 sq.mi. in Old Glacial Lake Souris Basin, Bottineau County, 55 sq.mi. in the Oakes area, and 22 sq.mi. in the New Rockford area. Dr. Norum presented the suggested budget requirements for soil survey areas proposed for irrigation in North Dakota for the future Six Year Survey program and suggested that the estimated \$60,000 budget be shared equally by the State and Federal Government. He also advised that the unobligated balance of the State Water Commission funds at present is \$8,700.00. He reported that the Bureau of Reclamation has estimated that approximately 2,000,000 acres will have to be surveyed. They further estimate that the whole area should be covered within ten years, therefore a minimum of 200,000 acres must be covered annually to meet these requirements. Dr. Norum requested the opinion of the Commissioners as to their approval of continuation of the Soil Survey program being carried out, and the Commission expressed themselves as favorable to the program and to Dr. Norum's proposals, but were of the opinion that no action be taken at this time with reference to finances as they thought it advisable to consider this matter in connection with their planning of the budget. Abandonment of the Bowbells Development Farm was also discussed at this time.

It was moved by Commissioner Lunseth, and seconded by Commissioner Math Dahl, that the State Water Commission contribute \$350 from the "Small Projects, Other Investigations" fund toward the planting of shrubbery furnished by the Corps of Engineers for the Baldhill Reservoir area. This project was recommended and approved by Commissioner Olson, who is cooperating with the Corps of Engineers and local interests. On roll call by the Chairman, Commissioners Olson, Lunseth, Math Dahl and Governor Brunsdale all voted aye and the motion carried.

The Secretary was requested to arrange for reservations for the Members of the Water Commission at Fargo during the meeting of the State Reclamation Association, to be held October 17 and 18.

The Members of the Commission were notified of the Missouri Basin Inter-Agency meeting to be held in Bismarck on October 8 and 9, and the Secretary was instructed to make reservations for the evening of October 7 for the Members of the Commission.

Commissioner Math Dahl moved that the Water Commission approve the payment of annual membership dues in the National Reclamation Association in the amount of \$4.00. The motion was seconded by Commissioner Olson, and on roll call by the Chairman, Commissioners Lunseth, Math Dahl, Olson and Governor Brunsdale all voted aye and the motion carried.

The Commissioners were notified of the contents of a letter received from H. M. Erskine, District Engineer with the U. S. Geological Survey, with reference to the stream gaging program in North Dakota and the necessity of discontinuing part of the program due to a reduction in Federal funds; and that the funds for the operation of gaging stations on the North Fork of the Grand River at Haley, North Dakota, and on the Heart River near Richardton will be terminated at the close of the month, and requesting the Commission to include these stations in the Federal and State cooperative funds program in order that the stations will not have to be discontinued. A motion was made by Commissioner Math Dahl, and seconded by Commissioner Lunseth, that funds for continuing operation of the gaging stations at Haley and Richardton be made available by the Water Commission in the amount of \$700, payment to be made from the "Cooperation with U. S. Departments, etc." fund. Upon roll call by the Chairman, Commissioners Olson, Math Dahl, Lunseth and Governor Brunsdale all voted aye and the motion carried.

A request from P. D. Akin, District Engineer with the U. S. Geological Survey, for additional funds for the U. S. Geological Survey cooperative underground water survey program was deferred for action until the next meeting of the Commission.

Copies of Resolutions adopted at the Convention of the Association of Western State Engineers, held at Santa Barbara, California, on August 18-21, 1952, were distributed to the Members of the Commission, and the Secretary reported that copies of these Resolutions have also been sent to the North Dakota Members of Congress at Washington, D. C. for their consideration.

The Water Commission were informed by letter from W. Van Heuvelen, Director, Division of Water Pollution Control, of the results of the analyses of waste samples collected at the Eatmore Sausage and Packing Company plant at Minot, North Dakota, which showed the waste discharged by the plant to be nine times as strong as domestic sewage, or equivalent to a community of 548 population, creating a nuisance condition, and requesting them to take early action in either providing their own treatment of wastes or to connect with Minot's sewerage system. The Commission approved the action of the State Health Department in measures taken by them to control pollution of the waters of the Souris River by efficient methods of treatment, and the establishment of sewage disposal treatment plants.

It was moved by Commissioner Lunseth, and seconded by Commissioner Olson, that the application of John Brees, Bowman, North Dakota, for a permit to divert and appropriate water from Spring Creek, tributary of the Grand River, for the irrigation of 90.5 acres of land described as the NE $\frac{1}{4}$ of Sec. 18, Twp. 130 N., Rge. 101 W. located in Bowman County, North Dakota, be granted, and limited to an annual diversion of 90.5 acre feet of water, subject to all prior and existing water-rights and appropriations covering Spring Creek, tributary of the Grand River. Upon a unanimous vote of the Commissioners the motion carried.

It was moved by Commissioner Math Dahl, and seconded by Commissioner Lunseth, that the application of Albert Schmidt, Dickinson, North Dakota, for a permit to divert and appropriate water from Antelope Creek, tributary of the Heart River, for the irrigation of 50.7 acres of land described as the N $\frac{1}{2}$ SE $\frac{1}{4}$ of Sec. 12, Twp. 138 N., Rge. 96 W., located in Stark County, North Dakota, be granted, and limited to an annual diversion of 50.7 acre feet of water, subject to all prior and existing water-rights and appropriations covering Antelope Creek, tributary of the Heart River. Upon a unanimous vote of the Commissioners, the motion carried.

It was moved by Commissioner Olson, and seconded by Commissioner Lunseth, that the application of John Schmidt, Jr., Dickinson, North Dakota, for a permit to divert and appropriate water from Antelope Creek, tributary of the Heart River, for the irrigation of 12.3 acres of land described as the S $\frac{1}{2}$ SW $\frac{1}{4}$ of Sec. 3, and the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec. 4, Twp. 138 N., Rge. 95 West, located in Stark County, North Dakota, be granted, and limited

to an annual diversion of 12.3 acre feet of water, subject to all prior and existing water-rights and appropriations covering Antelope Creek, tributary of the Heart River. Upon a unanimous vote of the Commissioners, the motion carried.

It was moved by Commissioner Olson, and seconded by Commissioner Math Dahl, that the application of Mrs. Peter Schmitz, Burlington, North Dakota, for a permit to divert and appropriate water from the Souris River for the irrigation of 62.8 acres of land described as the $N\frac{1}{2}NW\frac{1}{4}$, the $SW\frac{1}{4}NW\frac{1}{4}$ of Sec. 9; and the $SE\frac{1}{4}SW\frac{1}{4}$ of Sec. 4, Twp. 156 N., Rge. 84 West, located in Ward County, North Dakota, be granted, not to exceed an annual diversion of 62.0 acre feet of water, subject to all prior and existing water-rights and appropriations covering the Souris River, and also subject to any final action taken by the International Joint Commission. Upon a unanimous vote of the Commissioners, the motion carried.

It was moved by Commissioner Lunseth, and seconded by Commissioner Math Dahl, that the application of Thomas Tarnavsky, Watford City, North Dakota, for a permit to divert and appropriate water from the Little Missouri River, tributary of the Missouri River, for the irrigation of 92.0 acres of land described as the $SE\frac{1}{4}NE\frac{1}{4}$, $SE\frac{1}{4}$ of Sec. 34; and the $SW\frac{1}{4}NW\frac{1}{4}$, $NW\frac{1}{4}SW\frac{1}{4}$ of Sec. 35, Twp. 148 N., Rge. 99 West, located in McKenzie County, North Dakota, be granted, and limited to an annual diversion of 92.0 acre feet of water, subject to all prior and existing water-rights and appropriations covering the Little Missouri River, tributary of the Missouri River. Upon a unanimous vote of the Commissioners, the motion carried.

The application of Herlof Huso, Aneta, North Dakota for a permit to divert and appropriate water from an elongated slough, which is tributary of the Sheyenne River, requesting an annual appropriation of 118.0 acre feet of water for irrigation purposes was deferred for action until a later date when a contract or agreement has been negotiated with the State of Minnesota for the division of waters of the Red River and its tributaries, when it will again be considered for approval.

The meeting adjourned at 4:30 o'clock p.m.

Respectfully submitted,


Secretary

ATTEST:


Chairman

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF ACCOUNTS AS OF SEPTEMBER 30, 1952
 1951-1953 APPROPRIATIONS

| Fund No. | Appropriations | Available July 1951 | Expended to August 31, 1952 | Expended Sept, 1952 | Balance Sept 30, 1952 |
|----------|--|---------------------|-----------------------------|---------------------|-----------------------|
| 1 | Commissioners-Per Diem & Expenses | \$6,000.00 | \$2,301.38 | \$ 7.00 | \$ 3,691.62 |
| 2 | Administration | 35,000.00 | 20,243.93 | 2,160.09 | 16,838.31 |
| | Collections and Refunds | 4,242.33 | | | |
| 3 | Maintenance of Dams | 120,000.00 | 88,315.21 | 15,789.47 | 66,106.47 |
| | Collections and Refunds | 50,211.15 | | | |
| 4 | International & Interstate-Commissions' & Conference Expense | 14,000.00 | 3,641.67 | 573.75 | 9,784.58 |
| 5 | Topographic & Conservation, Cooperation with U. S. Geological Survey | 35,000.00 | 10,363.85 | 7,136.15 | 17,500.00 |
| 6 | Hydrographic Surveys, Cooperation with U. S. Geological Survey | 25,000.00 | 12,500.00 | Nil | 12,500.00 |
| 7 | Salary-State Engineer | 6,000.00 | 3,500.00 | 250.00 | 2,250.00 |
| 8 | Construction & Reconstruction Drains or Irrigation | 90,000.00 | Nil | Nil | 90,000.00 |
| 9 | Engineering & Geological Surveys & Demonstrations | 35,000.00 | 19,418.55 | 2,899.14 | 12,682.31 |
| 10 | Cooperation with U. S. Departments & for organizing Conservation & Irrigation Districts | 65,000.00 | 41,038.92 | 1,231.74 | 22,729.34 |
| 11 | Small Projects, Other Invest., Surveys & Etc. | 150,000.00 | 34,022.49 | 4,969.54 | 111,007.97 |
| 12 | Construction Bond Quaranty Fund | 70,541.00 | | | 70,541.00 |
| VSC:jw | | <u>\$705,994.48</u> | <u>\$235,346.00</u> | <u>\$3,016.88</u> | <u>\$435,631.60</u> |

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
MONTHLY REPORT OF ACCOUNTS AS OF SEPTEMBER 30, 1952
1949-1951 APPROPRIATIONS

| Fund No. | Appropriations | Available July 1949 | Expended to Sept 30, 1952 | Balance Sept 30, 1952 |
|----------|---|------------------------|------------------------------|--------------------------|
| 1 | Commissioner's Per Diem and Expenses | \$4,000.00 | \$3,995.89 | \$ 4.11 |
| 2 | Administration | 30,000.00 | 35,818.16 | 11.54 |
| | Collections and Refunds | 5,829.70 | | |
| 3 | Maintenance of Existing Dams | 100,000.00 | 153,393.52 | 176.10 |
| | Collections and Refunds | 53,569.62 | | |
| 4 | International and Interstate Commissioner's and Conference Expenses | 12,000.00 | 9,901.05 | 2,098.95 |
| 5 | Topographic and Conservation, Cooperation with the USGS plus transfers. | 33,085.60 | 33,085.60 | Nil |
| 6 | Hydrographic Surveys, Coop. with USGS. | 20,000.00 | 20,090.87 | Nil |
| | Refund. | 90.87 | | |
| 7 | Salary-State Engineer. | 5,400.00 | 5,400.00 | Nil |
| 8 | Construction and Reconstruction - Drains or Irrigation | 150,000.00 | 128,084.57 | 21,915.43 |
| 9 | Engineering & Geological Survey & Demonstrations plus transfer | 33,006.12 | 33,006.12 | Nil |
| 10 | Cooperation with U.S. Depts., Small Projects & for or- ganizing Conservation & Irrig. Dist. plus refunds less transfer of \$13,000.00 | 122,077.30 | 62,995.10 | 59,082.20 |
| 11 | Other Investigations, Surveys and Etc. | 90,000.00 | 89,914.61 | 122.15 |
| | Refund. | 36.76 | | |
| | | <u>\$659,095.97</u> | <u>\$575,685.49</u> | <u>\$83,410.48</u> |

VSC:jw

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
BALANCE OF PRIOR FUNDS RECOVERED BY OPINION OF
ATTORNEY GENERAL AND UNDER SECTION 54-2709
AS OF SEPTEMBER 30, 1952

| Fund No | Year | Appropriations for | Balance Available | Expended to Sept. 30, 1952 | Balance Sept. 30, 1952 |
|---------|------|--|-------------------|----------------------------|------------------------|
| 1 | 1939 | Commissioner's Per Diem | \$1,727.00 | \$1,684.24 | \$42.76 |
| 5 | 1939 | Sponsor's Share of Dam Repairs | 2,088.08 | 2,058.52 | 29.56 |
| 1 | 1941 | Commissioner's Per Diem | 395.00 | 159.76 | 235.24 |
| 4 | 1941 | Maintenance of Existing Dams, plus \$51.00 refund. . . | 53.86 | N11 | 53.86 |
| 12 | 1941 | Tri-State Water Administration and Conference | 8.61 | N11 | 8.61 |
| 15 | 1941 | Topographic Survey. | <u>.13</u> | <u>N11</u> | <u>.13</u> |
| | | | <u>\$4,272.68</u> | <u>\$3,902.52</u> | <u>\$370.16</u> |

VSC:jw

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
DEPOSITS IN THE BANK OF NORTH DAKOTA
SEPTEMBER 30, 1952

| Sources of Deposits | Transit No. | Amount Deposited | Expended to Sept 30, 1952 | Balance Sept 30, 1952 |
|---|----------------|---------------------|------------------------------|--------------------------|
| Collection on Yellowstone Pumping Irrigation District \$3,500.00 warrant. Tax Collections for partial payment of interest and principal to March, 1952. | 501-118 | \$1,711.40 | | \$1,711.40 |
| Contributions for Groundwater Surveys: | | | | |
| Fessenden \$1,000.00 Transfer .10 | | | | |
| Mountain 100.00 St. John 750.00 | | | | |
| Maddock 750.00 Streater 1,000.00 | | | | |
| Lakota 1,000.00 Mohall 1,000.00 | | | | |
| Bolla 750.00 Richardton 750.00 | | | | |
| Devils Lake 7,500.00 Bowbells 1,000.00 | | | | |
| Aneta 1,000.00 Michigan 580.50 | | | | |
| Litchville 1,000.00 Wimbledon 1,000.00 | | | | |
| Wyndmere 1,000.00 Fairmount 1,000.00 | | | | |
| Portland 700.00 Hope 1,000.00 | | | | |
| Kindred 1,000.00 Sharon 250.00 | | | | |
| Mylo 250.00 Stanley 1,500.00 | | | | |
| Nesche 300.00 Upham 750.00 | 501-128 | 26,930.60 | \$20,048.58 | 6,882.02 |
| Sale of N.Dak. Water Development Books | 501-127 | 2,770.67 | 1,489.57 | 1,281.10 |
| Lewis & Clark Irrig. Dist. Drainage Fund | 501-121 | 2,806.92 | 2,786.40 | 20.52 |
| Missouri-Souris Unit Cooperative Study | 501-122 | 10,000.00 | 10,000.00 | |
| TOTAL OF ALL BANK OF NORTH DAKOTA DEPOSITS AS OF SEPTEMBER 30, 1952 | | | | <u>\$15,851.86</u> |

VSC:jw

**PAYROLL OF
NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
SEPTEMBER 30, 1952**

| Name | Duties | Salary for September | Withhold- ing Tax | N. D. OASIS | Hosp. Ins. | Bond | Net Pay | Remarks |
|--------------------|------------------------|-------------------------|----------------------|----------------|---------------|------|------------|-----------------------|
| Walsh, J. J. | Secy-State Engineer | \$550.00 | \$65.60 | \$ | \$8.83 | | \$475.57 | Increased Jan, 1952 |
| Acker, Iver A. | Spec. Ass't Atty. Gen | 400.00 | 48.70 | 8.83 | 8.83 | | 342.47 | Increased Jan, 1952 |
| Anderson, Albin | Field Engineer | 325.00 | 42.60 | 4.88 | 3.90 | | 273.62 | Increased Jan, 1952 |
| Berge, Einar | Technical Ass't | 150.00 | | 2.25 | 8.83 | | 138.92 | Increased April, 1952 |
| Carman, Bertha | Bookkeeper | 98.00 | 14.42 | 1.47 | | | 82.11 | Quit Sept 1, 1952 |
| Cooper, Vernon | Ass't Sec'y | 450.00 | 45.60 | | 8.83 | | 395.57 | Increased Sept, 1952 |
| Dodd, Harold | Ass't Const. Engineer | 325.00 | 31.50 | 4.88 | 8.83 | 6.25 | 273.54 | Increased Jan, 1952 |
| Gamble, Clarence | Ass't Field Engineer | 300.00 | 48.90 | 4.50 | 3.90 | | 242.70 | Increased July, 1952 |
| Hagert, E. S. | Chief Invest. Engineer | 400.00 | 59.80 | | | | 340.20 | Increased Jan, 1952 |
| Kramer, Joe | Const. Foreman | 375.00 | 18.80 | 5.63 | | | 350.57 | Started Dec. 11, 1951 |
| Kudinow, Wasilij | Draftsman | 275.00 | 33.00 | 4.13 | | | 237.87 | Increased Sept, 1952 |
| Lechner, Robert | Equipment Operator | 119.17 | 19.11 | 1.79 | | | 98.27 | Quit Sept 13, 1952 |
| Nichols, Don | Chief Const. Engineer | 425.00 | 41.60 | | 8.83 | | 374.57 | Increased Jan, 1952 |
| Nordstrom, Franz | Equipment Foreman | 300.00 | 15.60 | 4.50 | | | 279.90 | Increased Jan, 1952 |
| Peterson, Winifred | Chief Stenographer | 270.00 | 42.50 | 4.05 | 3.90 | | 219.55 | Increased July, 1952 |
| Putz, Roy | Rodman | 150.00 | 18.90 | 2.25 | 3.90 | | 124.95 | Increased Jan, 1952 |
| Schmitzke, Otto | Laborer | 250.00 | | 3.75 | | | 246.25 | Increased July, 1952 |
| Sheldon, Marvin | Const. Engineer | 350.00 | 36.30 | 2.25 | 8.83 | | 302.62 | Increased Jan, 1952 |
| Spitzer, Darlene | Stenographer | 214.52 | 29.05 | 3.22 | | | 182.25 | Started Aug 25, 1952 |
| Turner, J. L. | Pump Attendant | 180.00 | 31.10 | 2.70 | | | 174.20 | Started June 1, 1952 |
| Worle, Joyce | Bookkeeper | 200.00 | 29.30 | 3.00 | 3.90 | | 163.80 | Increased July, 1952 |
| Carlson, Roger | Rodman | 25.00 | 3.15 | .38 | | | 21.47 | Quit Sept 7, 1952 |
| Gress, Joe | Rodman | 40.00 | 5.04 | .60 | | | 34.36 | Quit Sept 6, 1952 |
| Kugler, Karl | Rodman | 20.00 | 2.52 | .30 | | | 17.18 | Quit Aug. 31, 1952 |
| Keller, Bruce | Rodman | 150.00 | 18.90 | 2.25 | | | 128.85 | Increased July, 1952 |
| Olson, Arthur W. | Timekeeper | 93.33 | 12.67 | 1.40 | | | 79.26 | Quit Sept 15, 1952 |
| Olson, Jerome | Ass't Field Engineer | 125.00 | 19.60 | 1.88 | | | 103.52 | Quit Sept. 15, 1952 |
| Olson, Gordon | Rodman | 15.50 | 1.97 | .23 | | | 13.30 | Quit Aug 31, 1952 |
| Pogue, Ralph | Rodman | 100.00 | 12.60 | 1.51 | | | 85.89 | Started Sept 10, 1952 |

VSC: jw