

STATE WATER CONSERVATION COMMISSION
MINUTES OF MEETING
Held in Office of State Water Commission
Bismarck, North Dakota
April 17, 1961

The regular meeting of the North Dakota State Water Conservation Commission was called to order on April 17, 1961 at 10:25 a.m. in the office of the Commission, State Capitol Building, Bismarck, North Dakota, to consider routine business matters. The following Commission members were present:

MEMBERS OF THE STATE WATER COMMISSION

Oscar Lunseth, Member from Grand Forks
Einar Dahl, Member from Watford City
A. R. Weinhandl, Member from Minot
W. W. Corwin, Member from Fargo
Math Dahl, Commissioner of Agriculture & Labor, Bismarck
Milo W. Hoisveen, Secretary and Chief Engineer, State Engineer

OTHERS PRESENT:

Ralph Bigelow, Center
George Harris, Center
Fred Heinz, Center

The meeting was called to order by temporary chairman Weinhandl with the following members present: Einar Dahl, Oscar Lunseth, Math Dahl, W. W. Corwin and Secretary Hoisveen .

APPROVAL OF MINUTES

Commissioner Math Dahl moved that the reading of the minutes be dispensed with and the minutes be approved. The motion was seconded by Commissioner Lunseth. Motion carried.

FINANCIAL STATEMENT
March 1961

The financial statement was reviewed. It was moved by Commissioner Math Dahl and seconded by Commissioner Corwin that the financial statement be approved. Motion carried.

REPORT ON THERMAL GENERATION
PLANT CONSTRUCTION

The Lignite Electric Power Cooperative, Inc., which is proposing to construct steam generating plants in North Dakota has requested the Commission members to be present at a meeting in Bismarck at 3:00 p.m. this afternoon (April 17). The cooperative is seeking the Commission's support in this venture. It was their opinion that through the use of steam generation plants they could firm up the hydro-power being generated to make it more available on a firm basis. This could aid in making power available at a higher mill price which would add to the Basin account, otherwise the mill levy would probably have to be raised from the approximate 5 mill price to 6 mills. This group believes that through such an endeavor we would gain the support of the down stream people, who have been somewhat alienated. It will be necessary to have a favorable power pay out plan before the Garrison Diversion Unit is an authorized project. Mr. Aspinall, chairman of the Interior and Insular Affairs Committee has reiterated his position regarding this pay off plan on several occasions. This dates back several years when the passage of one of his own

project was being considered. Chairman Aspinall was forced to come up with a favorable pay off plan within a 50 year period. Since that time he has used this as a criteria. Other reclamation projects now have to show a probable pay out period. The Bureau of Reclamation's pay out plan for the Garrison Diversion Unit is for a 58 year period. This pay out plan can possibly be lowered through several methods. One would be increasing the present hydro-power rates by a mill. This could be done without significant showing of cost raise to the consumer. If the present rates were firmed the power account would be increased to such a degree that it would make these projects feasible that are now just marginal. The Lignite plants would be owned by North Dakota co-ops. Such a plant would aid the depressed coal industry as well as the state employment situation. The probable site would be near Stanton. It was suggested that a brief meeting of the Water Commission be held after the Lignite Electric Power meeting to take whatever action is advisable.

**INTERNATIONAL JOINT COMMISSION Secretary Hoisveen reported that he had appeared
REPORT before the International Joint Commission at**

Washington, D. C. and reported for the Souris River Board of Control. There was quite a discussion at this meeting on the Pembilier Dam. The benefit to cost ratio was also reviewed. The Corps of Engineers took issue with the Bureau of Reclamation as to the direct and indirect method of obtaining feasibility for the proposed project. General McNaughton, Chairman of the Canadian Section, made a motion that investigations be made on the Canadian side as well as the United States side and that money be requested from both governments for the purpose of continuing the study. The Corps of Engineers did not request investigation funds through the Bureau of the Budget and now desires the Commission to aid them in procuring appropriation to continue this study. The benefit to cost ratio appears to be such that it will be favorable to the construction of the project. Undoubtedly the Pembilier Dam will be a joint venture between the United States and Canada. Both governments are interested in having dams on their own side of the boundary line. It is very possible that a dam could be constructed on the Canadian side which could impound a considerable amount of flood water. The Pembilier Dam would be much needed for diversion and regulating the waters that are lowered to it from Canada. The Pembilier Dam would also be required to impound additional flood water including the discharge of the Little Pembina which drains a considerable area on the American side and has contributed materially to flooding.

**AWARDING OF BIDS
ON SEDAN AND PANEL
TRUCKS**

The Commission members reviewed the bids that had been opened on April 5, 1961, relative to the purchase of a four door sedan and two panel trucks. Commissioner Corwin moved that the Commission accept the bid of the Davis Chevrolet of Bismarck for a four door sedan with overdrive, net price \$1,285.45. The motion was seconded by Commissioner Lunseth. Motion carried.

Commissioner Corwin moved that the Commission accept the bid of the Midwest Motors for 2 panel trucks for the price of \$3,421.00 plus \$34.00 for 7:10-6 ply tires. The motion was seconded by Commissioner Math Dahl. Motion carried.

The Commission discussed the bids on the panel truck. The lowe bidder was the International-McCormick of Bismarck, but in view of the fact that the frame section modulus did not meet the specifications of a minimum frame section modulus of 2.84, the bid of the Midwest Motors of Jamestown

was accepted. The International panel had a section modulus of 2.14.

**PURCHASE OF TWO
PANEL TRUCKS**

In view of the fact that the U. S. Geological Survey has withdrawn its panel truck which was used by the Commission crews in connection with ground water studies, it is necessary for the Commission to have another vehicle to replace this one. Also, the Commission needs a vehicle for its geologist. The panel truck supplied by the U. S. Geological Survey was used to haul Commission drillers in the past. Secretary Hoisveen stated that possibly it would be advisable to charge the U. S. Geological Survey an additional ten cents on drilling operations to cover the cost of the panel truck operation. It was suggested that the Secretary investigate the Volkswagon panel truck to see if it is usable. It was suggested that two panel trucks would meet the requirements of the Commission better than a panel truck and personnel car. It was moved by Commissioner Math Dahl and seconded by Commissioner Einar Dahl that the Secretary call for bids on two panel trucks. Motion carried.

SHEEPS FOOT ROLLER PURCHASE

The State Water Conservation Commission does not own a sheeps foot roller and it has been required on many occasions to rent one. There are several jobs coming up this season where a sheeps foot roller will be needed and it was thought advisable to have the Commission purchase one. It was suggested that the Secretary look into the possibility of purchasing a second hand sheeps foot roller. The cost approximates \$1,500 to \$2,000. It was moved by Commissioner Einar Dahl and seconded by Commissioner Math Dahl that the Secretary advertise for bids for the purchase of a sheeps foot roller and the possibility of purchasing a second hand one. Motion carried.

CENTER WATER SUPPLY

Messrs. Ralph Bigelow, George Harris and Fred Heinz, representing the Center Village Board, appeared before the Commission. Mr. Bigelow said that the Village of Center is in the process of starting a municipal water system. Center has no municipal water system and the residents of Center have individual wells. A well is being dug in Center now. No survey has been made in this area. Mr. Hoisveen explained the procedure of a ground water survey, which is done in cooperation with the USGS. Mr. Bigelow stated that they would like to have someone from the Commission check on the pump test after the well has been dug so they will know if the well will be adequate for their needs. Mr. Hoisveen stated that a geologist would be available when the test well is completed. The Village of Center is to advise the Commission when they desire to have the geologist present.

**AGREEMENT WITH CORPS OF
ENGINEERS AND LEWIS & CLARK
MUTUAL AID CORPORATION**

In 1958 Mr. Walter Burk and other members of the Lewis and Clark Mutual Aid Corporation appeared before the Commission with a request that the Commission support the corporation and make a loan to them for use in connection with maintaining the Lewis and Clark project. The Corps of Engineers was required to construct a highway road bed sufficiently high on U. S. #85 to withstand any flooding that might occur as a result of the Garrison Reservoir. The Corps of Engineers who own the project planned to remove the siphons when they constructed the highway project. The Corps of Engineers purchased the project to avoid protecting it. The group from the Lewis and Clark appeared before the Commission in 1957 and expressed their desire that the Commission/ support them in maintaining the project. The Commission agreed to put up \$8,500 and to charge the Lewis and Clark Mutual Aid Corporation 4% interest on the unpaid balance. This amount was to be repaid at the rate of \$1,700 a year over a five year

period, plus interest. No further word was heard from the Corps on this matter until April of this year when a bill was received from them stating "Reimbursement for retention and protection of siphons during alteration of Highway No. 85 in accordance with Agreement dated 29 October 1958 which was entered into pursuant to Public Law 85-167, approved 26 August 1957 - duly authorized to collect \$8,500". Mr. Hoisveen checked with the Lewis and Clark Board members regarding their repayment intentions. Mr. Walter Burk stated that he was no longer a board member and Joe Paulson was the person to contact. A letter was written to Mr. Paulson regarding their intention and to date he has not replied. It was the recommendation of the Commission that the secretary contact the Lewis and Clark Mutual Aid Corporation and see what they intend to do regarding the indebtedness. It was further recommended that demand be made on the Corporation for this money, but that the Commission is obligated to pay the \$8,500.

**POLICY REGARDING DAMS AND
OTHER INVESTIGATIONAL
SURVEYS**

A number of requests are received by the State Water Conservation Commission for topographic and foundation surveys for dam construction. Secretary Hoisveen suggested that to show the sincerity of the requesting entity, they should make a token payment for such surveys. It was recommended that the Commission establish a policy regarding surveys and studies of dams. It was further suggested that the amount to be paid for the survey should depend on the size of the project and that \$200 should be the minimum amount that should be paid. Should the project be constructed the amount paid would be credited to the sponsor's share of the project. The deposit method would also serve as a method of establishing survey priorities.

It was recommended that the Secretary make further study of this matter and refer it to the Commission at its next meeting.

**IRRIGATION DISTRICTS
DRAINAGE BOARDS**

Commissioner Einar Dahl said he felt that the drainage boards were receiving a greater participation in the multiple purpose fund than irrigation district boards, as they received 40% whereas irrigation districts were required to make full payment for moneys advanced to them by the commission. He indicated that the original concept of the commission was to promote and enhance irrigation in the arid sections of the state. It was contended that irrigation is placing a man in a position to make a livelihood, whereas, drainage is to take care of flood conditions for which he was not responsible. Commissioner Dahl contended that irrigation development was restricted to limited areas, but the benefits were far reaching as they aided in maintaining foundation stock for ranchers during drouth conditions who were considerable distances from the irrigation projects.

**LARIMORE DAM SURVEY
REQUEST**

A resolution was received from the City of Larimore requesting the State Water Conservation Commission to make a survey of the feasibility of damming the Turtle River to build a reservoir for additional water supply and for recreation and wildlife conservation. Secretary Hoisveen stated that if a dam is constructed and found to be feasible the Game and Fish Department would cooperate. It was recommended that this was a project that should come under the policy of making payment to show the sincerity of Larimore in its request. It was further recommended that the Secretary explain the policy to Larimore and that any payment could be credited to the construction of the project. It was moved by Commissioner Corwin and seconded by Commissioner Lunseth that the Commission approve the request of the city of Larimore for a dam survey, which will be done upon deposit of the required fee. Motion carried.

**ARMOURDALE DAM
COST PARTICIPATION**

The Commission was informed of a meeting held at Bisbee relative to the Armourdale Dam. The cost of such project would be between \$49,000 and \$51,000. The Game and Fish Department would participate in the project. The county of Towner would participate on a one-third basis in the cost of constructing the dam. The Commission's participation would be \$17,000. It was moved by Commissioner Corwin and seconded by Commissioner Lunseth that the Commission approve the request of Armourdale for the construction of Armourdale Dam and that The commission participate not to exceed \$17,000. Motion carried.

**SHORT CREEK DAM
PARTICIPATION**

The cost of replacing Short Creek Dam near Columbus North Dakota would approximate \$44,000. The Game and Fish Department, the State Water Commission and the Burke County Water Conservation and Flood Control Distric would participate each on a one-third basis. The Commissioner's share in the cost participation of constructing the dam would be \$15,000. It was moved by Commissioner Lunseth and seconded by Commissioner Corwin that the Commission participate in the cost of constructing Short Creek Dam, not to exceed \$15,000 as the Commission's share. Motion carried.

LAKE JUANITA DAM

Lake Juanita near Grace City has depended on water from the James River during flood stage as well as limited drainage areas, as a consequence the lake has an insecure future. Plans have been prepared by the Commission whereby water would be pumped into the lake from the James River. This would stabilize the lake level and make it an outstanding recreation lake. The lake is also to be raised 30'. The cost would approximate \$25,000 to \$35,000. Easements will be needed before the work can be started. It was recommended that the Commission's share be limited to \$12,000. It was moved by Commissioner Corwin and seconded by Commissioner Lunseth that the Commission participate in the Lake Juanita project not to exceed \$12,000. Motion carried.

CREATING WARSING LAKE

The Commission has been requested to construct a dam near Sheyenne for a local municipal water supply and recreational area. The Game and Fish Department are interested in the construction of Warsing Dam. The estimated cost of such a structure would approximate \$40,000 to \$42,000. The Commission's share would be \$14,000. It was moved by Commissioner Corwin and seconded by Commissioner Einar Dahl that the Commission cooperate in the construction of Warsing Dam not to exceed \$14,000. Motion carried.

**FIELD CROSSING-
RICHLAND COUNTY**

Richland County has constructed a number of drains which discharge into a common coulee. The drains are 5, 27, 37, 57 and 64, all of which the Commission has participated in. This has augmented the flow into the coulee to such a degree that water is almost always present. As a result there needs to be a private crossing constructed for a farmer who is adversely affected by not having a crossing. The Richland County Flood Control Board has requested participation in this structure. It was moved by Commissioner Corwin and seconded by Commissioner Lunseth that the Commission participate in the construction of a crossing not to exceed \$600. Motion carried.

PRESIDENTS' BUDGET

The budgets prepared by President Eisenhower and President Kennedy were reviewed by the Commission members. The budgets were in connection with general investigations, construction

and operation and maintenance of various rivers and reservoirs in North Dakota.

**GOOSE RIVER RESERVOIR
SURVEY**

On March 17 the Commission adopted a resolution pertaining to a survey of the Goose River area. No funds are available for the Corps of Engineers to make such a survey and the President's budget for fiscal year 1962 does not include funds for studies on the Goose River. It was recommended that the Commission make a survey in connection with the possibility of constructing a dam on the Goose River above Hillsboro. The dam would be used as a municipal water supply and an attraction for industry. It would augment their present ground water source. It was moved by Commissioner Lunseth and seconded by Commissioner Corwin that the Commission make a survey of the Goose River area and that a sum be deposited by the city of Hillsboro with the Water Commission. Motion carried.

**12th STREET DAM
FARGO, NORTH DAKOTA**

Commissioner Corwin reported on the 12th Street Dam which was discussed at the March 17, 1961 Commission meeting. It seems that 2nd Street North has dropped in one section. 2nd Street North is at the eastern edge of Fargo Urban Renewal Area and parallels the Red River. The firm which made the survey feels that three feet of water plus excavation should stabilize the bank at this point. The City Commission of Fargo desires to make 2nd Street North a major thoroughfare.

LAKE DARLING RELEASES

A telegram was received from John D. Umberger, Regional Engineer, Federal Fish and Wildlife, Minneapolis, Minnesota. According to the telegram the Lake Darling reservoir releases were being reduced to near 20 second feet. The Mouse River is in short supply as less than 3000 acre-feet have entered the Lake Darling Reservoir from Canada. Thirty-seven hundred acre-feet have been released for use in connection with the Eaton Reclamation Project. The normal requirement is 10,000 acre-feet.

**GREEN RIVER DAM HEARING
May 6, 1961**

The Corps of Engineers is holding a public hearing in the Dickinson Community Building on May 6, 1961 at 9 a.m. relative to an investigation of the Green River. It was recommended that Commissioner Einar Dahl attend this meeting. Secretary Hoisveen will also be attending this meeting and make a statement as to the desirability of the project.

SIoux IRRIGATION PROJECT

At the Commission meeting of March 17, 1961 the bond issue in connection with the Sioux Irrigation project was discussed at length. At that time the Commission was to underwrite the district on the bond issue. A letter was received from the secretary of the Sioux Irrigation District requesting that the bond issue be postponed until a later date.

CEDAR CREEK CONTROVERSY

A letter was received in the office of the State Conservation Commission from James H. Lemmon concerning the irrigation on the Cedar Creek by the Schnells. A letter had been sent to Robert Schnell from the State Water Conservation Commission requesting that he refrain from using the water in Cedar Creek for irrigation purposes. It was recommended that if the Schnells continued to use water from Cedar River for irrigation that they be enjoined from doing so. It was recommended that the land-owners who are affected by the situation should be responsible for the enjoining process and not the Water Commission.

- PARK RIVER DAM** A letter was received from the City of Park River requesting the Commission's assistance in repairing the dam in the park. The dam was originally erected by the CCC. It was moved by Commissioner Lunseth and seconded by Commissioner Corwin that the Secretary write to the City of Park River informing them that a staff member would visit this dam and prepare a cost estimate. Motion carried.
- LAKE ALICE-LAKE IRVINE AGREEMENT - Federal Fish and Wildlife** Secretary Hoisveen reported that he had received the signed agreement from the Federal Fish and Wildlife Service to proceed with the opening of the channel between Lake Alice and Lake Irvine. This has been accomplished.
- WATER RIGHTS #875** Wachter Ranch of Bismarck requests the right to divert 744 acre-feet of water from a well to irrigate 372 acres of land. It was moved by Commissioner Lunseth and seconded by Commissioner Einar Dahl that the Wachter Ranch be granted the right to divert 744 acre-feet of water from a well to irrigate 372 acres of land. Motion carried.
- #886** The City of Mohall requests the right to divert 250 acre-feet from wells for municipal purposes. It was moved by Commissioner Einar Dahl and seconded by Commissioner Lunseth that the City of Mohall be granted the right to divert 250 acre-feet of water from wells annually for municipal purposes. Motion carried.
- #888** North Dakota Association of Soil Conservation Districts (Oakes Nursery) requests the right to divert 120 acre-feet of water from a well to irrigate 120 acres of land. It was moved by Commissioner Corwin and seconded by Commissioner Lunseth that North Dakota Association of Soil Conservation Districts be granted the right to divert 120 acre-feet of water from a well to irrigate 120 acres. Motion carried.
- #891** Ervin Bourgois of Bismarck requests the right to divert 730.8 acre-feet of water from the Missouri River and underground sources to irrigate 365.4 acres of land. It was moved by Commissioner Lunseth and seconded by Commissioner Einar Dahl that Ervin Bourgois be granted the right to divert 730.8 acre-feet of water from the Missouri River and underground sources to irrigate 365.4 acres of land. Motion carried.
- #892** Lester R/ Schatz, Glen Ullin requests the right to divert 120 acre-feet of water from unnamed creek tributary to Big Muddy, to irrigate 67.2 acres of land. It was moved by Commissioner Einar Dahl and seconded by Commissioner Lunseth that Lester Schatz be granted the right to divert 15 acre-feet of water from unnamed creek to irrigate 15 acres of land. Motion carried.
- #893** City of Grafton requests the right to divert 7,500 acre-feet of water from the Red River for municipal purposes. It was moved by Commissioner Corwin that the City of Grafton be granted the right to divert 7,500 acre-feet of water from the Red River for municipal purposes. The motion was seconded by Commissioner Lunseth. Motion carried.

The meeting recessed until 3:00 p.m. The meeting reconvened with Governor William Guy presiding.

Following Governor Guy's power conference the Commission reconvened in the office of the Commission at 5:45 p.m. A discussion was held regarding the merits of the proposals of the Lignite Electric Power Cooperative and the Midwest Cooperative.

It was agreed that the Mid West Cooperative had not yet firmed up its plan for generating power through thermal plants. Indications were that one plant would be constructed in North Dakota to take advantage of the lignite coal and the water available in the Garrison area. It was also pointed out that the generation potential of the Lignite Cooperative would use North Dakota coal fields almost exclusively, which did offer an advantage to North Dakota over the Mid-west proposal. The Lignite Cooperative also indicated that it would be in a position to provide power to private industry that might desire to locate in the area in view of the low cost power.

It was moved by Commissioner Lunseth and seconded by Commissioner Corwin that the State Water Conservation Commission adopt the following resolution supporting the Lignite Electric Power Cooperative's proposal and that Governor Guy be authorized to use the resolution of the North Dakota State Water Conservation Commission as he may deem necessary. The resolution was unanimously adopted.

R E S O L U T I O N

Adopted by the State Water Conservation Commission
April 17, 1961
Supporting the Use of Lignite for Generation of
Electric Energy

WHEREAS, the demand and need for electric energy to provide rural electric cooperatives with light and power, and even heat, is becoming urgent throughout the state; and

WHEREAS, it is also becoming increasingly apparent that due to the limitations of the hydro electric plants situated along the Missouri River, they are incapable of meeting the need for electric power and energy now or in the future; and

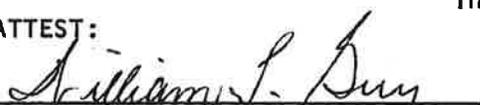
WHEREAS, the Lignite Electric Generation Cooperative has conducted extensive studies with reference to the economic feasibility of generating thermal power from the lignite beds of western North Dakota; and

WHEREAS, this cooperative has conclusively demonstrated that it can furnish electricity at reasonable rates for rural electric cooperatives, municipalities, industries and power companies.

NOW, THEREFORE BE IT RESOLVED, that the North Dakota State Water Conservation Commission wholeheartedly supports every endeavor to use lignite for the generation of electric energy to supplement and firm up hydro generated power and thus enlarge the electric power produced in the Missouri Basin and thereby materially support the pay out plan for the Garrison Diversion Unit.

There being no further business the meeting adjourned.

ATTEST:


Governor


Secretary

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF APRIL 30, 1961
 1959 - 1961 APPROPRIATIONS

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	APR '61	UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PER DIEM & EXP	6,000.00	.00	4,870.64	223.06	1,129.36	340.86	788.50
2. ADMINISTRATION	49,200.00	647.08	43,735.58	2,315.54	6,111.50	1,025.64	5,085.86
3. MAINTENANCE OF DAMS	115,000.00	139,952.32	233,530.37	4,214.17	21,421.95	5,462.32	15,959.63
4. INT'L & INTERSTATE EXP	10,000.00	23.18	7,582.42	783.90	2,440.76	132.62	2,308.14
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	29,349.05	467.58	650.95	650.95	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	900.00	26,986.03	.00	1,413.97	1,413.97	.00
7. ENGR & GEOL SURVEYS, USGS	57,500.00	.00	42,590.10	1,235.70	14,909.90	12,722.39	2,187.51
8. COOP WITH U. S. DEPT, ETC	57,000.00	.00	45,233.82	1,111.94	11,766.18	5,616.74	6,149.44
9. ENGINEERING INVESTIGATIONS	132,000.00	.00	120,778.89	4,056.04	17,221.11	6,679.58	10,541.53
10. ADM OF WATER LAWS	6,000.00	.00	3,060.65	365.19	2,939.35	.00	2,939.35
11. OASIS CONTRIBUTIONS	<u>6,500.00</u>	<u>2,957.33</u>	<u>7,797.07</u>	<u>1,058.02</u>	<u>1,660.76</u>	<u>385.00</u>	<u>1,275.76</u>
	502,700.00	144,480.41	505,514.62	16,331.14	21,665.79	34,430.07	47,235.72

**NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
STATUS OF CONTINUING APPROPRIATIONS
AS OF APRIL 30, 1961**

FUND	AVAILABLE FUNDS		DISBURSEMENTS		UNEXPENDED	FUND BALANCES ENCUMB.	UNEKCUMB.
	APPROPRIATION	RECEIPTS	TO DATE	APRIL '61			
20. Multiple Purpose "Car Fwd"	200,000.00 178,751.98		30,155.56 227,598.67	2,428.26	181,308.87	177,534.18	3,774.69
21. Const. Bond Guar.	90,000.00	12,524.39	20,539.00	.00	81,985.39	.00	81,985.39

Note - Fund #21 receipts are obtained from retirement of and interest on securities that were in the Commission's sinking fund in excess of the amount required to retire the series "J" Bond Issue on December 10, 1957. Original disbursements from fund #21 were made during the early 1940's in accordance with Section 61-02-56 of the Century Code which provides that the Commission may guarantee or insure, or agree to pay, the interest on and principal of Commission Revenue Bonds, not exceeding 20% of the par value of any such bonds.

SCHEDULE OF DISBURSEMENTS

Mar. 9'40 - Guarantee Series "F" Bonds - Lewis & Clark Project	1,280.00
Nov. 28'40- Guarantee Series "F" Bonds - Lewis & Clark Project	4,120.00
Mar. 10'41- Guarantee Series "G" Bonds - Bismarck Irrigation Project	3,300.00
May 12'41-- Guarantee Series "I-B" Bonds - Lewis & Clark Project	6,000.00
Apr. 28'42- Guarantee Series "I-B" Bonds - Lewis & Clark Project	1,800.00
Feb. 27'43- Pay interest on Bond #2, Series "F" - Later Repaid	1,080.00
Oct. 30'44- Guarantee Series "J" Bonds - Bismarck Irrigation Project	2,959.00
	20,539.00

SCHEDULE OF BONDS & INTEREST RECEIVABLE

TYPE	DUE DATE	INTEREST RATE	INTEREST REC.		TOTAL INCOME
			TO MATURITY	PRINCIPAL AMOUNT	ANTICIPATED
U. S. Series G Bonds	3-62	2.50%	125.00	5,000.00	5,125.00
U. S. Series K Bonds	5-65	2.76%	186.30	1,500.00	1,686.30
U. S. Series K Bonds	4-67	2.76%	331.20	2,000.00	2,331.20
U. S. Treasury Bonds	12-15-68	2.50%	600.00	3,000.00	3,600.00
Sioux Irrigation Dist. Bonds 1984 Serially		2.25%	5,332.50	17,500.00	22,832.50
			6,575.00	29,000.00	35,575.00
				Fund Balance.....	81,985.39
					117,560.39
				Less Original Appropriation	90,000.00
				Excess.....	27,560.39

The Construction Bond Guarantee Fund will attain its original cash level of \$90,000 in 1964 at which time legislative action will be required to determine disposition of the funds received in excess of the original appropriation as noted in the opinion of the Attorney General, dated January 2, 1958.

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
 MONTHLY REPORT OF APPROPRIATIONS AS OF APR 30 1961
 1957-1959 APPROPRIATIONS

FUND	AVAILABLE FUNDS		DISBURSEMENTS TO DATE	FUND BALANCES		
	APPROPRIATION	RECEIPTS		UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PER DIEM & EXP	6,000.00	.00	6,000.00 #	.00	.00	.00
2. ADMINISTRATION	47,000.00	2,797.33 &	49,579.27	.00	218.06	218.06
3. MAINTENANCE OF DAMS	105,000.00	101,910.58	206,910.58	.00	.00	.00
4. INT'L & INTERSTATE EXP	8,000.00	14.85	7,997.33	.00	17.52	17.52
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	30,000.00	.00	.00	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	.00	27,500.00	.00	.00	.00
7. ENGR & GEOL SURVEYS, USGS	37,500.00	5,306.81	42,806.81	.00	.00	.00
8. COOP WITH U. S. DEPT, ETC	50,000.00	10.00	50,004.93	.00	5.07	5.07
9. SMALL PROJECTS, ETC	113,000.00	2,374.98	120,374.98 ①	.00	.00	.00
10. ADM OF WATER LAWS	6,000.00	.00	6,000.00	.00	.00	.00
11. OASIS CONTRIBUTIONS	3,800.00	4,541.24 %	8,341.24	.00	.00	.00
	<u>438,900.00</u>	<u>116,955.79</u>	<u>555,515.14</u>	<u>.00</u>	<u>240.65</u>	<u>240.65</u>

INCL TRANSFER TO FUND #2 -\$523.62
 ① INCL TRANSFER TO FUND #2 -\$97.57
 & INCL TRANSFER FROM FUND #1-\$523.62 & FUND #9-\$97.57
 % TRANSFER FROM EMERGENCY COMM -\$4,541.24

3-31-60

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION
PAYROLL - APRIL 30, 1961

SALARIED EMPLOYEES

NAME	POSITION	PAY GRADE	REMARKS	SALARY APR '61	WITH. TAX	SOC. SEC.	HOSP. INS	BONDS ETC	NET PAY
HOISVEEN, MILO W.	STATE ENGR	0-8	INC JUL '60	927.67	139.20	27.83	17.20	18.75	724.69
ANDERSON, LARRY	RODMAN	B-7	INC JUL '60	196.67	25.60	5.90			165.17
BAESLER, GORDON	DRAFTSMAN	F-6	INC JUL '60	364.17	45.50	10.93			307.74
COOPER, VERNON S.	ASST SECY	M-6	INC JUL '60	383.84	71.00	11.52	17.20		284.12
EMTER, JEANNE	TYPIST	B-7	INC DEC '60	196.67	25.60	5.90	17.20		147.97
FREDRICKSON, FRED	COORDINATOR	G-4	INC JUL '60	399.67	41.30	11.99			346.38
GEHRING, EDNA	FILE CLERK	O6"	INC JUL '60	226.17	40.70	6.79	7.05		171.63
GRINDBERG, ALAN	ENGINEER	K-2	INC FEB '61	583.67	106.20	17.51	7.05	175.00	277.91
HILAND, LEONE	CH STENO	F-6	INC JUL '60	364.17	45.50	10.93	7.05		300.69
KNUTSON, LEWIS	DRILLER	F-5	PER OCT '60	354.67	34.10	10.64			309.93
LAUNGER, ANTON	DRILLER	F-2	RES MAY '61	326.17	38.30	9.78	17.20		260.89
MOSEY, IRVIN	RODMAN	B-9	INC JUL '60	206.67	27.10	6.20		18.75	154.62
NELSON, G. P.	ENGINEER	K-3	INC FEB '61	600.67	81.60	18.02			501.05
PUTZ, ROY	OFF ASST	A-10	INC JUL '60	189.50	24.20	5.69	7.05		152.56
REITER, DANIEL	FOREMAN	H-1	INC APR '60	416.67	33.80	12.50	17.20	18.75	334.42
RIVINIUS, MERRIL	ENGINEER	H-8	STA FEB '61	504.17	81.80	15.13	7.30		399.94
SACKMAN, EUGENE	INST MAN	G-1	INC MAY '60	366.67	15.50	11.00	17.20		322.97
SANDWICK, HAZEN	ENGINEER	K-7	INC JUL '60	668.67	68.80	20.06	17.20	37.50	525.11
SCHMID, ROGER	ASST INV EN	F-10	STA MAR '61	402.17	43.80	12.07			346.30
SCHULZ, JIM	ACCOUNTANT	G-3	INC FEB '61	388.67	49.80	11.66			327.21
SCHWINKENDORF, DON	INST MAN	E-6	INC AUG '60	306.67	45.40	9.20			252.07
TIMM, ROBERT J.	ASST ST ENG	K-9	INC JUL '60	702.67	76.00	21.08	17.20		588.39
WALTERSON, HOWARD	FOREMAN	H-1	INC APR '60	416.67	53.80	12.50	17.20		333.17
WALTERSON, JEAN	DRAFTSMAN	E-3	INC FEB '61	282.67	31.10	8.48			243.09

HOURLY EMPLOYEES

BURKHARTSMEIER, G.	LABORER	1.65	STA APR '61	77.25	11.80	2.32			63.13
JOHNSON, GEORGE	OPERATOR	2.00	INC APR '61	340.03	53.60	10.20			276.23
NEWGARD, DENNIS	OPERATOR	1.95	INC APR '61	248.30	37.45	7.45			203.40
NEWGARD, THOMAS	LABORER	1.50	RES MAR '61	36.00	5.70	1.08			29.22
OLSON, MARLIN	LABORER	1.50	RES MAR '61	36.00	1.70	1.08		3.20	30.02
PETERSON, JOHN	OPERATOR	2.00	INC APR '61	272.90	41.60	8.19			223.11
SOULE, WAYNE	ASST DRILLER	1.60	STA APR '61	40.00	6.15	1.20			32.65
VOELLER, PIUS	OPERATOR	1.95	INC APR '61	129.05		3.87			125.18

10,955.61 1,403.70 328.70 190.30 271.95 8,760.96