

STATE WATER CONSERVATION COMMISSION  
MINUTES OF MEETING  
Held In Minot, North Dakota  
November 9, 1960

The regular meeting of the North Dakota State Water Conservation Commission was called to order on November 9, 1960 in Minot, North Dakota to consider routine business matters. The following members were present:

Members of State Water Commission

Mr. Earle Tucker, Vice Chairman  
Mr. Einar Dahl, Member from Watford City  
Mr. W. W. Corwin, Member from Fargo  
Mr. A. R. Weinhandl, Member from Minot  
Mr. Milo W. Holsveen, Secretary & Chief Engineer, State Engineer, Bismarck  
Mr. Fred Fredrickson, Planning Coordinator, Valley City

The meeting was called to order by Vice Chairman Earle Tucker, at 2 p.m. in Minot, North Dakota with Commissioners Einar Dahl, Corwin, Weinhandl and Secretary Holsveen present.

APPROVAL OF MINUTES                      It was moved and seconded that the minutes of October 24, 1960 be approved. The motion carried.

FINANCIAL STATEMENT                      It was moved and seconded that the financial statement be approved. Motion carried.

STOCKWATER IMPOUNDMENTS              A report on the establishment for criteria to AND ISSUANCE OF WATER              be used in connection with stockwater impound- RIGHTS                                      ments and water rights was considered. The matter of creating an unrestricted stockwater impoundment zone adjacent to the Little Missouri and the Missouri River was discussed in some detail. It was inferred that a considerable amount of erosion was taking place on those streams possessing steep gradient adjacent to the Little Missouri River. Ranchers in that area had reported that one of the most successful means of combating erosion in these streams was through the construction of a series of impoundments which concentrated the gradient in the form of a drop at the spillway of each impoundment. It was recommended that the Chief Engineer of the Water Commission hold a meeting with interested landowners and officials from the Soil Conservation Service relative to this proposal.

Mr. Holsveen displayed a map of the Souris River and its tributaries lying south of the International boundary in North Dakota. The so-called noncontributing area of the Souris River and its tributaries had been delineated and colored to better illustrate the area in question. It was suggested that the noncontributing area be opened for the construction of stockwater dams in accordance with the criteria to be invoked in other areas. It was also suggested that water rights be issued in this area to those who desire to utilize water for irrigation and other purposes.

A noncontributing area was defined as being an area that did not contribute to a natural water course more than once every three years. It was suggested and agreed that this area be extended to include the pothole area in the maps and also in the Atamont and Max Moraine.

**DISSOLUTION OF CHAIN  
LAKES FLOOD CONTROL  
DISTRICTS**

The secretary read a letter addressed to Governor John E. Davis from a firm of attorneys located in Rugby. The letter was attached to a petition which requested that the Chain Lakes Flood Control District be dissolved. The matter was discussed by the Commission members. Secretary Hoisveen advised the Commission that work had been commenced on the project for which the Commission had obligated funds approximately one year ago. The work entailed cutting a channel through from Lake Alice to Lake Irvine to provide an escape for the flood waters that frequently inundates valuable farm land because of an inadequate channel between the two lakes.

The Commission members were of the opinion that the district could not be dissolved as long as the obligation had been incurred and that this obligation would require satisfaction before dissolution could take place.

A letter was read from Mr. Burwell, Regional Director of the Federal Fish and Wildlife Service, who showed concern over the opening of the channel between the two lakes. Mr. Burwell had requested certain information regarding the construction of the channel. Mr. Hoisveen stated that he had held a telephone conversation with Mr. Burwell following receipt of the letter. He stated that the Federal Fish and Wildlife Service should install a control structure capable of passing 600 cubic feet per second from Lake Alice to Lake Irvine. This would provide much needed regulation between the two lakes. He also informed Mr. Burwell that the Federal Fish and Wildlife water right was subject to cancellation as they were not maintaining a structure between the two lakes. The situation was causing hardship to the people adjacent to the lake.

The Commission members expressed a desire to cooperate with the Federal Fish and Wildlife Service in obtaining funds for the construction of the control structure. Secretary Hoisveen was directed to work with Senator Young in an effort to obtain construction funds at the earliest possible date.

**NORTHWOOD GAGING STATION**

A request had been received from the City of Northwood relative to establishing a gaging station in that city in order to determine the rate at which the ground water supply was being depleted. The venture would be a cooperative one with the State Water Conservation Commission. The estimated cost of the observation well was estimated to be \$600. Mr. Corwin moved that the Commission participate with the City of Northwood to the extent of 50% of the cost and not to exceed \$300 as the Commission's share. The motion was seconded by Commissioner Einar Dahl. On voice vote all commission members voted aye.

**SURPLUS EQUIPMENT SALE  
OF SURVEY WAGON**

The matter of a surplus equipment sale was brought to the attention of the Commission members, in view of bidding on a four wheeled drive International survey wagon for winter time survey work. Commissioner Corwin stated that much attention should be paid to the selection of the four wheeled drive wagon in view of the excessive amount of wear that takes place in this type of a unit. He suggested that we put in a low bid after the staff members had determined the status of the equipment. The other Commissioners agreed to such action.

**CONSTRUCTION OF PNEUMATICALLY  
APPLIED CONCRETE SHOP**

The Commission members had previously considered the possibility of constructing a steel shop building for use as a shop by Commission forces. Secretary Hoisveen mentioned the possibility of constructing a shop through the use of pneumatically applied concrete. He indicated that it would be a thin shell construction, the results of which have been well established in many other states possessing similar climate. He indicated that construction of this nature would be less expensive than any other type and might result in the construction of similar buildings throughout the state. An endeavor such as this could be a practical means of saving thousands of dollars for North Dakota businessmen as well as making a shop available to the Commission. The Commission members recommended that Mr. Hoisveen proceed with plans for such construction.

**SOUTH DAKOTA COMPACT  
NEGOTIATIONS**

The matter of compact negotiations with the State of South Dakota was discussed. Commissioner Dahl stated that tentative negotiations should be made between the Governor of North Dakota and the Governor of South Dakota relative to whether or not a compact should be established on such streams as the Elm, the James and WildRice Rivers. Should the tone of the discussion be such that a compact be undertaken the procedure for passage by the Legislators of both houses would be worked out. Commissioner Dahl moved that tentative negotiations be made between the Governors of North and South Dakota relative to establishing a compact on such streams as the Elm, James and Wild Rice Rivers. The motion was seconded by Commissioner Weinhandl. The motion was passed without opposition.

**PARK RIVER SNAGGING AND  
CLEARING PROJECT**

The Commission considered the advisability of performing a snagging and clearing project between Homme Dam and the City of Grafton, in view of a request made by the Corps of Engineers for the Commission to comply with the assurances it had previously given in order to obtain construction of Homme Dam. The assurances call for the State Water Conservation Commission to keep the channel clear of retarding debris in this reach of the river. The cities of Park River and Grafton were to maintain the channel of the Park River within their city limits. A map and a letter were used to exemplify the needs of such a project. Secretary Hoisveen was directed to care for this matter as conditions permitted.

**LOWER YELLOWSTONE AND NOME  
WATER SUPPLY**

The situation existing with regard to the Nome water supply was again reviewed. A cost estimate was submitted by the chief engineer and the procedure as to how this work could be accomplished was also dealt with.

It was suggested that a cleaning job be performed between the first two wells which constitute the pickup area for the springs. It was also suggested that a section of 36 inch pipe be placed on the well to the extreme west cistern of the field in order to prevent contamination from creeping in from the top of the well. The buttering of the pipe joints was also recommended. Under this plan the middle well would be the source of water supply for the truckers who haul and sell the water to the various communities. A plan for an overflow pipe and control gate was to be utilized in controlling the water level in the well. Sanitation methods could be improved also through the installation of a two inch pipe with a foot valve whereby the water haulers could pump the water from the well without throwing their pumping equipment into the source of supply. It was moved by Commissioner Corwin and seconded by Commissioner Weinhandl that the Commission go ahead and make the necessary installation at a cost not to exceed \$800. On Roll Call all commission members voted aye. Motion carried. The Secretary was authorized to obtain the money from the participants at a later date. Mr. Tucker recommended that Mr. Hoisveen write the Barnes County Commissioners and inform them of the situation.

SOURIS RIVER CHANNEL SURVEY  
IN COOPERATION WITH U.S.  
CORPS OF ENGINEERS

A request was made by the Corps of Engineers in a letter received by the Commission asking that the Commission make certain surveys along the Souris River in connection with the flood studies

now being made by the Corps of Engineers. Approximately 20 cross sections were needed between the Des Lacs River and the Lake Darling Dam for the Corps to properly evaluate the hydraulic characteristics of the stream. Quadrangle sheets were supplied by the Corps indicating the position of the cross sections and the procedure they desired to have followed. Commissioner Einar Dahl moved that the Commission cooperate with the Corps in the Study. The motion was seconded by Commissioner Weinhandl and was carried.

MISSISSIPPI VALLEY  
ASSOCIATION CONTRIBUTION

The Commission reconsidered their previous commitment of \$100 to the Mississippi Valley Association. This was done in view of the

extremely valuable service the Mississippi Valley Association has been rendering in respect to efforts to obtain the Garrison Diversion Unit. Commissioner Weinhandl made a motion which was seconded by Commissioner Corwin that the membership in the Mississippi Valley Association be raised to \$200. The motion carried.

The meeting adjourned at 4:45 p.m.

Respectfully submitted,

Milo W. Hoisveen  
Secretary

ATTEST:

John E. Brown  
Governor

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
MONTHLY REPORT OF APPROPRIATIONS AS OF NOVEMBER 30, 1960  
1959 - 1961 APPROPRIATIONS

FUND	AVAILABLE FUNDS		DISBURSEMENTS		FUND BALANCES		
	APPROPRIATION	RECEIPTS	TO DATE	NOV' 60	UNEXPENDED	ENCUMB.	UNENCUMB.
1. COMM PER DIEM & EXPENSES	6,000.00	.00	4,478.78	996.00	1,521.22	84.00	1,437.22
2. ADMINISTRATION	49,200.00	473.58	31,785.33	1,671.00	17,888.25	532.87	17,355.38
3. MAINTENANCE OF DAMS	115,000.00	106,977.57	202,909.76	10,477.46	19,067.81	11,030.21	8,037.60
4. INT'L & INTERSTATE EXP	10,000.00	.00	4,437.20	178.20	5,562.30	1,260.73	4,302.07
5. TOPOGRAPHIC SURVEYS, USGS	30,000.00	.00	23,644.36	4,718.34	6,355.64	6,355.64	.00
6. HYDROGRAPHIC SURVEYS, USGS	27,500.00	900.00	20,594.34	3,695.42	7,305.16	7,805.16	.00
7. ENGR & GEOL SURVEYS, USGS	57,500.00	.00	33,228.61	1,714.18	24,271.39	22,083.88	2,187.51
8. COOP WITH U. S. DEPT, ETC	57,000.00	.00	55,273.92	2,355.38	21,726.08	6,481.89	15,244.19
<del>9. ENGINEERING INVESTIGATIONS</del>	<del>138,000.00</del>	<del>.00</del>	<del>95,947.47</del>	<del>5,989.37</del>	<del>42,052.53</del>	<del>1,747.33</del>	<del>40,304.70</del>
10. ADM OF WATER LAWS	6,000.00	.00	1,340.15	10.50	4,659.85	.00	4,659.85
11. OASIS CONTRIBUTIONS	6,500.00	2,957.33	5,845.45	.00	3,612.38	675.00	2,937.38
20. MULTIPLE PURPOSE "CAR FWD"	170,751.98 200,000.00	15,202.54	172,156.92	22,293.69	221,797.70	219,127.53	2,670.17
21. CONST BOND GUAR "CAR FWD"	77,056.64	3,384.90	.00	.00	80,441.54	.00	80,441.54
	<u>950,508.52</u>	<u>129,896.52</u>	<u>631,642.79</u>	<u>54,090.04</u>	<u>456,762.35</u>	<u>277,184.74</u>	<u>179,577.61</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
 MONTHLY REPORT OF APPROPRIATIONS AS OF ~~NOV 30~~ 1960  
 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	.00
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	.00
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	.00
9. SMALL PROJECTS, ETC	118,000.00	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>.00</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

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
PAYROLL - NOVEMBER 30, 1960

PERMANENT EMPLOYEES

NAME	POSITION	PAY GRADE	REMARKS	SALARY NOV' 60	WITH. TAX	SOC. SEC.	HOSP. INS.	BONDS ETC	NET PAY
HOISVEEN, MILO W.	STATE ENGR	O-8	INC JUL' 60	927.67	139.20		17.20	18.75	752.52
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	1/2M-6	INC JUL' 60	383.84	71.00	11.52	17.20		284.12
EMTER, JEANNE	TYPIST	B-5	STA AUG' 60	186.67	23.50	5.60			157.57
FREDRICKSON, FRED	COORDINATOR	G-4	INC JUL' 60	399.67	41.30	11.99			346.38
GEHRING, EDNA	FILE CLERK	C-7	INC JUL' 60	226.17	40.70	6.79	7.05		171.63
GRINDBERG, ALAN	ENGINEER	I-6	INC JUL' 60	536.67	105.40		7.05		424.22
HILAND, LEONE	CH STENO	F-6	INC JUL' 60	364.17	45.50	10.93	7.05		300.69
KAMONI, AHMED	DRILLER	F-2	PER AUG' 60	326.17	28.30	9.79	17.20		270.38
KNUTSON, LEWIS	DRILLER	F-5	PER OCT' 60	354.67	54.10	10.64			289.93
MOSER, IRVIN	RODMAN	B-9	INC JUL' 60	206.67	27.10	6.20			173.37
NELSON, C. P.	ENGINEER	K-2	INC JUL' 60	583.67	76.20				507.47
PUTZ, ROY	OFF ASST	A-10	INC JUL' 60	189.50	14.20	5.69	7.05		162.56
REITER, DANIEL	FOREMAN	H-1	INC APR' 60	416.67	33.30	12.50	17.20	18.75	334.42
SACKMAN, EUGENE	INST MAN	G-1	INC MAY' 60	366.67	15.60	11.00	17.20		322.87
SANDWICK, HAZEN	ENGINEER	K-7	INC JUL' 60	668.67	68.80		17.20	37.50	545.17
SCHULZ, JIM	ACCT	G-2	INC JUL' 60	377.67	38.40	11.33		20.00	307.94
SCHWINKENDORF, DON	INST MAN	E-6	INC AUG' 60	306.67	45.40	9.20			252.07
SUKBERNAGEL, JACOB	RODMAN	B-9	STA SEP' 60	206.67	27.10	6.20			173.37
TIMM, ROBERT J.	ASST ST ENG	K-9	INC JUL' 60	702.67	76.00		17.20		609.47
VOLLAN, DAVID	RODMAN	A-9	STA OCT' 60	185.00	23.50	5.55			155.95
WALTERSON, HOWARD	FOREMAN	H-1	INC APR' 60	416.67	53.30	12.50	17.20		333.17
WALTERSON, JEAN	DRAFTSMAN	D-5	INC JUL' 60	252.00	25.40	7.56			219.04
ZIEGLER, VICTOR	ENGINEER	J-7	INC JUL' 60	609.67	91.60		17.20	25.00	475.87
				<u>9,755.41</u>	<u>1,237.00</u>	<u>171.82</u>	<u>183.00</u>	<u>120.00</u>	<u>8,043.59</u>

NORTH DAKOTA STATE WATER CONSERVATION COMMISSION  
PAYROLL - NOVEMBER 30, 1960

TEMPORARY EMPLOYEES

NAME	POSITION	PAY GRADE	REMARKS	SALARY NOV' 60	WITH. TAX	SOC. SEC.	HOSP. INS.	BONDS ETC	NET PAY
BARTLETT, JOSEPH	LABORER	1.50	RES OCT' 60	126.00		3.73		18.90	103.32
BURKHARDSMEIER, A.	OPERATOR	2.05	RES NOV' 60	481.76	78.10	14.45			389.21
BURKHARDSMEIER, R.	LABORER	1.50	RES OCT' 60	13.50	2.15	.41			10.94
BURNS, JOHN	ASST DRILLER	1.75	RES OCT' 60	96.25	3.20	2.89			85.15
HIGHLEY, ERNEST	ASST DRILLER	1.85	STA APR' 60	238.65	35.70	7.17			195.78
JOHNSON, GEORGE	OPERATOR	1.95	RES NOV' 60	280.80	41.40	8.42			230.98
KNUTSON, LANNY	ASST DRILLER	1.75	STA OCT' 60	289.63	45.70	8.69			235.24
LAUNGER, ANTON	OPERATOR	2.00	INC AUG' 60	419.00	66.00	12.57			340.43
NEWGARD, DENNIS	OPERATOR	1.85	RES NOV' 60	312.65	49.15	9.38			254.12
PEGG, NORVAL	LABORER	1.50	RES OCT' 60	38.25	5.35	1.15			31.25
PETERSON, JOHN	OPERATOR	1.90	RES NOV' 60	341.45	53.70	10.25			277.50
VOELLER, PIUS	OPERATOR	1.85	RES NOV' 60	194.25		5.32			188.43
				2832.19	385.95	84.98	.00	18.90	2342.36