

MINUTES

North Dakota State Water Commission
Held in Fred J. Fredrickson Memorial Library
Bismarck, North Dakota

March 28, 1973

The North Dakota State Water Commission held its meeting in the Fred J. Fredrickson Memorial Library, State Water Commission offices, Bismarck, North Dakota, on Wednesday, March 28, 1973. Governor-Chairman, Arthur A. Link, called the meeting to order at 10:00 a.m.

MEMBERS PRESENT:

Arthur A. Link, Governor-Chairman
Richard Gallagher, Vice Chairman, Mandan
James Jungroth, Member from Jamestown
Alvin Kramer, Member from Minot
Arne Dahl, Commissioner, Department of Agriculture
Gordon Gray, Member from Valley City

OTHERS PRESENT:

Vernon Fahy, Assistant Chief Engineer, North Dakota State Water Commission, Bismarck
Matt Emerson, Assistant Secretary, North Dakota State Water Commission, Bismarck
Cliff Jochim, Special Assistant Attorney General, North Dakota State Water Commission, Bismarck
Delton Schulz, Office Engineer, North Dakota State Water Commission, Bismarck
Russell Dushinske, Executive Vice President, North Dakota Water Users Association, Minot
Dr. Dale Anderson, Director, Water Resources Research Institute, North Dakota State University, Fargo

CONSIDERATION OF MINUTES OF
FEBRUARY 21, 1973 MEETING -
APPROVED

meeting be dispensed with and be approved as circulated.

It was moved by Commissioner Kramer, seconded by Commissioner Dahl and carried, that the reading of the minutes of the February 21, 1973

FINANCIAL STATEMENT FOR
MONTH OF FEBRUARY, 1973 -
APPROVED

on the status of various Commission accounts.

Matt Emerson, Assistant Secretary for the State Water Commission, presented the financial statement for the month of February, 1973, commenting briefly

After a short discussion, it was moved by Commissioner Gallagher, seconded by Commissioner Dahl and carried, that the Commission accept and approve the financial statement for the month of February, 1973, as presented.

MISSOURI SLOPE IRRIGATION
DEVELOPMENT ASSOCIATION
ANNUAL WORKSHOP
(#335)

Annual Workshop being held this date. Mr. David Garst of Coon Rapids, Iowa, is the featured speaker for the luncheon, and the highlight of the workshop is a film of the earth's surface taken by the Earth Resources Observation System satellite.

Vernon Fahy, Assistant Chief Engineer for the State Water Commission, extended an invitation to the Commission members to attend the noon luncheon of the Missouri Slope Irrigation Development Association's

WATER RESOURCES CONGRESS
ANNUAL MEETING

Reservations have been made to attend this meeting by Commissioners Gallagher and Jungroth, and Russell Dushinske, Executive Vice President of the North Dakota Water Users Association. Mr. Fahy indicated that he felt this Congress is a very worthwhile water resources organization and encouraged Commission members to attend future meetings whenever possible.

The Annual Meeting of the Water Resources Congress will be held April 3-6, 1973, at the Washington Hilton Hotel in Washington,

RUSH RIVER WATER MANAGEMENT
DISTRICT'S REQUEST FOR APPROVAL
OF PROPOSED SEWER SYSTEM IN
BROOKTREE WELLS NEAR HARWOOD,
NORTH DAKOTA
(#716)

raw sewage from the area of Brooktree Wells to a sewage lagoon presently existing and owned by the Harwood Development Association. The project will provide for the orderly development of the area and eliminate pollution and environmental problems. It was the recommendation of Mr. Fahy that the Commission approve the project and plans as submitted by the Rush River Water Management District.

Mr. Fahy read a letter from Daniel R. Twichell, West Fargo, regarding a proposal which has been received from the Rush River Water Management District to construct a sewer system in Brooktree Wells near Harwood, North Dakota. This proposed project would provide facilities to take

It was moved by Commissioner Gray, seconded by Commissioner Jungroth and carried, that the State Water Commission approve the Brooktree Wells proposed sewer system project, and adopt Resolution No. 73-3-337, Rush River Water Management District, Proposal for Construction of Sewer System, Brooktree Wells Near Harwood, North Dakota. (See Appendix "A")

LANGDON DIVERSION DRAIN
(#1565)

city has no well developed natural outlet channel for storm water runoff and approximately seven and one-half square miles of land drains through the city. Due to the recent ABM missile site construction, this has increased the need for adequate drainage and reduced the effectiveness of the existing limited drain routes. By agreement with the North Dakota Highway Department and with the sponsorship of the Cavalier County Water Management District, a plan has

Mr. Fahy briefed the Commission members regarding the serious problem in and adjacent to the city of Langdon. The

been designed for a permanent drain route. The State Water Commission has been requested to participate in cost sharing in the balance of the construction to carry the excess runoff to an adequate outlet. Total cost of the project is \$34,247. It was the recommendation of Mr. Fahy that the Commission participate in these costs in an amount not to exceed \$14,069.

It was moved by Commissioner Jungroth, seconded by Commissioner Gray and carried, that the State Water Commission participate in the Langdon Diversion Drain project in an amount not to exceed \$14,069.

CAVALIER-PEMBINA DRAIN NO. 51B
(#1159)

Mr. Fahy reported that on July 7, 1971, the Water Commission had approved for construction an extension to Pembina

County Drain No. 51B and cost participation was granted in an amount not to exceed \$7,043.55. A copy of the revised estimate of the proposed Drain No. 51B extension has been received which includes a greater cost of channel change and riprap at the upper end of the improvement than that originally estimated. The total cost of this addition amounts to \$487.30. It was Mr. Fahy's recommendation that the Commission participate in these added costs.

It was moved by Commissioner Dahl, seconded by Commissioner Kramer and carried, that the Commission amend their previous agreement of July 7, 1971 to participate in the Pembina County Drain No. 51B, and include the \$487.30 addition in costs.

GRAND FORKS DRAIN NO. 4
(#1107)

Mr. Fahy stated that a request has been received from the Grand Forks County Drain Board for state cost participation

in the major extension and improvement proposed for Merrifield Drain No. 4. The total cost for this new concrete drop at the downstream end of the proposed drain, including section line crossings, is \$186,326.83. The request for state cost participation is estimated to be \$65,440. It was Mr. Fahy's recommendation that the Commission participate in the major extension and improvement proposed for Merrifield Drain No. 4 in an amount not to exceed \$65,440.

It was moved by Commissioner Gray, seconded by Commissioner Jungroth and carried, that the Commission participate in the request from the Grand Forks County Drain Board for the major extension and improvement proposed for the Merrifield Drain No. 4, in an amount not to exceed \$65,440.

Because of the increasing costs of major drain facilities and the limited state funds available for all State Water Commission purposes, the Commission expressed an interest in reviewing our cost participation policies to assure equitable distribution of our limited funds.

CITY OF WILTON, REQUEST FOR
GROUND-WATER STUDY
(#812)

Mr. Fahy stated that a request has been received from the City of Wilton to conduct a ground-water study. Total estimated costs of the study would amount to \$6,000 and the costs would be shared

on a 50-50 percent basis by the City of Wilton and the State Water Commission. It was his recommendation that the Commission participate in the cost sharing of conducting a ground-water study for the City of Wilton in an amount not to exceed \$3,000.

It was moved by Commissioner Gray, seconded by Commissioner Kramer and carried, that the Commission participate with the City of Wilton in conducting a ground-water study for that city, in an amount not to exceed \$3,000.

MCKEE DAM
(#442)

Mr. Fahy noted that at the February 21, 1973 meeting of the Commission, it was the consensus of the Commission members

to defer action on the request from the Barnes County Water Management District for guidance from the Water Commission regarding the recommended procedure in handling a local request to repair a former W.P.A. dam now serving about eight homeowners as a ground-water recharge for their domestic wells. The Commission staff has continued their investigation, but due to Commissioner Gray's absence from the state for the past month and not having a chance to familiarize himself more with the situation, it was again the consensus of the Commission members to defer action on this request until a future Commission meeting.

LAKE METIGOSHE STUDY
(#330)

Dr. Dale Anderson, Director of the Water Resources Research Institute, North Dakota State University, Fargo,

reviewed the objectives and accomplishments of the Water Resources Research Institute for the past year. He noted that it had been approximately one year since he met with the Commission, at which time he requested, and had been granted, monies by the State Water Commission to conduct an analytical evaluation of the utilization and management of water resources in the Lake Metigoshe Watershed, North Dakota, and an evaluation of North Dakota's first rural water system.

He briefly commented on the Community Water Conferences that had been held and reported that 15 critical North Dakota water problems had been derived from these conferences. It was the general feeling that these conferences had been very beneficial and it is hoped that more such conferences can be held in the near future.

He distributed reported on the Lake Metigoshe study and the first rural water system study to the Commission members, reviewing the objectives of the Lake Metigoshe study, accomplishments of the project thus far, and work planned for Fiscal Year 1974.

Based on the magnitude of the problems encountered in this project, the accomplishments that have been made during the past year, and the proposed work identified for Fiscal Year 1974, the investigators of this project have requested a continuation of their project for 1974. Dr. Anderson, on behalf of the Water Resources Research Institute, presented a request to the Commission members for State Water Commission participation in the amount of \$10,000. The total amount for 1974 continuation of this project is \$27,250; assumed by the Water Resources Research Institute, \$14,500, the State Water Commission, \$10,000, and other sources \$2,750.

After a discussion by Commission members, it was moved by Commissioner Jungroth, seconded by Commissioner Gray and carried, that the analytical evaluation of the utilization and management of water resources in the Lake Metigoshe Watershed, North Dakota, project definitely should be continued; that the Commission approve cost participation in the amount of \$10,000 to the Water Resources Research Institute for Fiscal Year 1974, as presented by Dr. Dale Anderson; and that the Water Commission should do everything possible to assist the Water Resources Research Institute in obtaining additional federal assistance for continuation of the study.

**NORTH DAKOTA'S FIRST RURAL
WATER SYSTEM (GRAND FORKS-
TRAILL COUNTIES)
(#1546)**

Dr. Dale Anderson reviewed the objectives of the evaluation of North Dakota's First Rural Water System and the accomplishments thus far on the project. The objective which will receive the most emphasis in

1974 will be to evaluate the rural water distribution system with respect to the delivery of adequate quantity and quality of water to its members. Monitoring of the socio-economic impact on the area will also continue during 1973-74 with emphasis on new housing construction, livestock enterprises, commercial activities and land sales. The continuation of this project for 1973-74 will result in an increase of funds from \$7,000 to \$13,250.

Dr. Anderson, on behalf of the Water Resources Research Institute, presented a request to the Commission for cost sharing in the amount of \$6,250 for continuance of the evaluation of North Dakota's First Rural Water System.

After discussion, it was moved by Commissioner Jungroth, seconded by Commissioner Kramer and carried, that the Commission approve cost participation in the amount of \$6,250 for continuing the study of North Dakota's First Rural Water System in Grand Forks and Traill Counties.

WEST RIVER DIVERSION
LIGNITE STUDY
(#1543)

Delton Schulz, Office Engineer for the State Water Commission, distributed copies of a study entitled "Extensive Utilization of Lignite in the West

River Diversion Area" prepared by Dean Alan G. Fletcher, Director, Engineering Experiment Station, University of North Dakota. This study presents a preliminary overview of some of the possibilities for the utilization of lignite in the production of electrical energy, synthetic pipeline gas, and industrial chemicals. Mr. Schulz briefly reviewed some of the highlights of the report, making special emphasis on the six types of coal conversion processes.

Mr. Schulz noted that the State Water Commission had contributed \$12,500 of its West River funds for preparation of this report, and it is the Commission's wish that this study continue in greater depths with restoration of funds for the West River study.

The Commission recessed at 11:40 a.m. to attend the Missouri Slope Irrigation Development Association workshop luncheon. The meeting was reconvened at 2:30 p.m. Commissioner Dahl was unable to attend the afternoon session of the meeting.

ROBERT SCHNELL, LEMMON,
SOUTH DAKOTA - WATER
PERMIT NO. 1910

Mr. Fahy stated that Mr. Robert Schnell of Lemmon, South Dakota, has filed an application for a water permit to use excess water, from spring runoff or

heavy rainfall, from the Cedar River for 260.0 acre-feet of water to irrigate 130.0 acres. Mr. Fahy also made reference to the moratorium which had been passed by the Commission on August 4, 1960, whereby the issuance of further water rights on the Cedar, Cannonball, Grand and Green Rivers and Apple Creek be curtailed until water conditions on these streams are improved through storage or importation of water from other sources. It was also noted that several landowners have requested rights for use of waters on these sources and have either been denied the right or the amounts of water they requested had been reduced.

It was the feeling of the Commission members that if this moratorium was to be lifted on these excess waters, other interested landowners should also be considered; therefore, it was their consensus that the Commission staff determine the potential irrigators and the amount of excess water available before acting on any further applications for water rights.

After a discussion, it was moved by Commissioner Jungroth, seconded by Commissioner Gray and carried, that the Commission staff be directed to determine potential irrigators of the excess flows available from the Cedar and Cannonball Rivers from spring runoff and heavy rainfalls, landowners now irrigating from these sources, and determine the amount of excess flows that

are available for use. Upon completion of this study, the Commission will then give further consideration to applicants for water rights in these particular areas.

It was moved by Commissioner Jungroth, seconded by Commissioner Gray and carried, that action be deferred on the water permit application by Mr. Robert Schnell of Lemmon, South Dakota, water permit No. 1910, pending further investigation on the Cedar and Cannonball Rivers.

MICHIGAN-WISCONSIN
PIPELINE COMPANY'S
REQUEST FOR WATER
RIGHT

Mr. Fahy reported that since the public hearing held in Beulah, North Dakota, on February 21, 1973, regarding the application for a water permit to the Michigan-Wisconsin Pipeline Company to divert

375,000 acre-feet of water from Lake Sakakawea and the Missouri River, conflicting information has been received by the Commission. He indicated that it is his intent, if it is the wishes of the Commission members, to prepare a packet and forward to them, all information being held in State Water Commission files regarding this application to assist Commission members in making their final decision. He also noted that several other gasification companies have contacted the Commission regarding their interest in filing applications for appropriation of water in the same general area as Michigan-Wisconsin Pipeline Company.

It was the consensus of the Governor and the Commission members that they heartily endorse and support the development of the state's lignite resources, but in view of the number of anticipated applications for this water, the uncertainty regarding the actual amount of water the gasification process requires, the importance of this energy producing process to the entire nation, and for the best interests of the state, that this application be deferred pending further research on the subject. It is also their intent that June 1, 1973 be set as a tentative timetable in which to obtain this additional research and that a news release be prepared stating these intentions.

Mr. Fahy also noted that on May 9 and 10, 1973, the University of North Dakota is conducting a lignite coal symposium, which he urged as many as possible to attend.

WATER PERMITS

Vern Fahy presented 11 water permit applications, in addition to the Michigan-Wisconsin Pipeline Company application and the Robert Schnell application, for consideration by the Commission members. It was his recommendation that water permit No. 1877, Forest River Community, be granted 1,920.0 acre-feet of water to irrigate 960.0 acres from the ground-water source only. The original request was to appropriate from both the Forest River and from ground water. It was also his recommendation that water permit No. 1898, City

March 28, 1973

of Wahpeton, and water permit No. 1900, City of West Fargo, be deferred action at this meeting pending further investigation of each.

It was moved by Commissioner Gallagher, seconded by Commissioner Kramer and carried, that the following water permit applications be granted approval subject to such conditions as indicated on the permit: No. 1895, Robert Myers, Binford; No. 1902, Raymond Kelsch, Linton; No. 1906, Lawrence Black, Karlsruhe; No. 1904, David Hafner, Beulah; No. 1903, City of Walcott; No. 1905, Gilbert Ost, Beulah; No. 1891, Robert Benson, Sheyenne; and No. 1882, William Hamann, Dickinson. Approval was also granted to No. 1877, Forest River Community, Fordville, for diversion of water from ground water only. Water permit No. 1898, City of Wahpeton; and No. 1900, City of West Fargo, were deferred pending further investigation. (See Appendix "B")

REQUEST TO RAISE HEIGHT OF
WEIR ON HIGHWAYS 57 AND 20
SOUTH OF CITY OF DEVILS LAKE
(#416)

Mr. Fahy indicated that a request has been received from Neal Thompson, States Attorney of Ramsey County, for permission to allow the county to place sandbags around the upper edge of the Highway

No. 57 weir in order to impound additional water. Local officials are concerned because of the extremely limited amount of runoff and they feel that sandbagging the weir to increase the level by one foot would be beneficial to all interests.

It was noted that requests have also been received from local entities requesting State Water Commission consideration for a permanent raise in the weir elevation two feet; however, this will involve other agencies as well as a public hearing, so no action was taken on the requests.

It was moved by Commissioner Jungroth, seconded by Commissioner Kramer and carried, that the State Water Commission grant permission to Ramsey County and/or the Devils Lake Park Board to place, temporarily, a row of sandbags not exceeding one foot in height around the top of the Highway No. 57 weir. The local entities as represented by States Attorney, Neal Thompson, who submitted the original request, shall be responsible for the immediate removal of the sandbags if problems or serious complaints occur.

REQUEST FROM BARNES COUNTY
WATER MANAGEMENT DISTRICT
FOR APPROVAL OF CREATION OF
RURAL SEWER AND WATER SYSTEM
FOR AN AREA WEST OF VALLEY CITY
(#1360 and 1397)

Mr. Fahy stated that a request has been received from the Barnes County Water Management District, indicating its plans for the creation of a rural water and sewer system for an area located directly west of the corporate limits of the city of Valley City, north of

Interstate #94, and south of the business loop of Interstate #94. He indicated that the plans are to install a pipeline which would be connected to the city of Valley City's water system and lagoon, but would be financed by the Barnes County Water Management District. The Barnes County Water Management District will not be meeting until tomorrow, therefore, they are requesting the Water Commission's pre-approval of the project, and they will be submitting this request in writing immediately following their meeting. Plans and specifications will then be submitted for approval of the project.

It was moved by Commissioner Gray, seconded by Commissioner Kramer and carried, that the Commission pre-accept and pre-approve the anticipated project which will be submitted by the Barnes County Water Management District for the creation of a rural water and sewer system for the west side of Valley City; and that Resolution No. 73-3-338, Barnes County Water Management District's Proposal for Construction of Sewer and Water System, be approved. (See Appendix "C")

TOLLEY FLATS PROJECT
(#626)

Mr. Fahy reported that a letter had been received from the Ward and Renville County Water Management Districts

indicating their desires to complete the Tolley Flats project. They are still exploring additional financial help in the added costs of the project, but feel it can be successfully consummated in the very near future. They are requesting the Water Commission to continue to hold and make available when needed the funds that have been earmarked for the project.

WHITE EARTH DAM
(#327)

Mr. Fahy reported the status of the White Earth Dam and stated that the necessary repair work was being completed.

There being no further business to come before the Commission, it was moved by Commissioner Gallagher, seconded by Commissioner Kramer and carried, that the meeting be adjourned at 4:25 p.m.

Milo W. Hoisveen
Milo W. Hoisveen, Secretary

ATTEST:

Arthur A. Link
Arthur A. Link, Governor-Chairman

RESOLUTION NO. 73-3-337

Rush River Water Management District's Proposal
for Construction of Sewer System,
Brooktree Wells Near Harwood, North Dakota

WHEREAS, the Rush River Water Management District has presented a certain sewer project to the North Dakota State Water Commission, Bismarck, North Dakota, for its approval, which project provides facilities to take raw sewage from an area known as Brooktree Wells near Harwood, North Dakota, to a sewage lagoon presently existing and owned by Harwood Development Association, which project will provide for the orderly development of the area and eliminate pollution and environmental problems; and

WHEREAS, approval of the State Department of Health has been received on said project; and

WHEREAS, this commission is of the opinion that said proposal is proper and feasible.

NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Commission at its regular meeting held in Bismarck, North Dakota, on this 28th day of March, 1973, that said project be and the same is hereby approved.

FOR THE NORTH DAKOTA STATE WATER COMMISSION:



/S/ Arthur A. Link
Arthur A. Link
Governor-Chairman

ATTEST:

/S/ Milo W. Hoisveen
Milo W. Hoisveen
Secretary

WATER PERMITS FOR MARCH 28, 1973 AGENDA

NO.	NAME AND ADDRESS	SOURCE	PURPOSE	AMOUNT REQUESTED	COMMENTS & RECOMMENDATIONS
1901A	Michigan-Wisconsin Pipe Line Company - Detroit, Michigan (Mercer County)	Lake Sakakawea	Industrial	143,000 acre-feet	(On State Water Commission March 28, 1973 Agenda)
1901B	Michigan-Wisconsin Pipe Line Company - Detroit, Michigan (Dunn County)	Lake Sakakawea	Industrial	64,000 acre-feet	"
1901C	Michigan-Wisconsin Pipe Line Company - Detroit, Michigan (McLean County)	Lake Sakakawea	Industrial	74,000 acre-feet	"
1901D	Michigan-Wisconsin Pipe Line Company - Detroit, Michigan (Mercer County)	Missouri River	Industrial	94,000 acre-feet	"
1877	Forest River Community - Fordville (Grand Forks Co.)	Ground Water and Forest River	Irrigation	1,920.0 acre-feet 960.0 acres	1,920.0 acre-feet 960.0 acres (From Ground Water only)
1895	Myers, Robert - Binford (Griggs County)	Ground Water	Irrigation	320.0 acre-feet 160.0 acres	320.0 acre-feet 160.0 acres
1902	Kelsch, Raymond - Linton (Emmons County)	Ground Water	Irrigation	680.25 acre-feet 453.5 acres	680.25 acre-feet 453.5 acres

NO.	NAME AND ADDRESS	SOURCE	PURPOSE	AMOUNT REQUESTED	COMMENTS & RECOMMENDATIONS
1906	Black, Lawrence W. - Karlsruhe (McHenry County)	Ground Water	Irrigation	237.0 acre-feet 158.0 acres	237.0 acre-feet 158.0 acres (Approved by State Engineer on March 7, 1973)
1898	Wahpeton, City of - Wahpeton (Richland County)	Ground Water	Municipal	835.0 acre-feet	Pending upon receipt of signed agreement from city.
1904	Hafner, David J. - Beulah (Mercer County)	Lake Sakakawea	Irrigation	1064.0 acre-feet 532.0 acres	1064.0 acre-feet 532.0 acres
1903	Walcott, City of - Walcott (Richland)	Ground Water	Municipal	50.0 acre-feet	50.0 acre-feet
1900	West Fargo, City of - West Fargo (Cass County)	Ground Water	Municipal	565.0 acre-feet	Delay pending further investigation.
1910	Schnell, Robert - Lemmon, S.D. (Adams County)	Cedar River, trib. to Cannonball and Missouri Rivers	Irrigation	260.0 acre-feet 130.1 acres	(On State Water Commission March 28, 1973 Agenda)
1905	Ost, Gilbert C. - Beulah (Mercer County)	Ground Water	Irrigation	374.0 acre-feet 187.0 acres	374.0 acre-feet 187.0 acres

NO.	NAME AND ADDRESS	SOURCE	PURPOSE	AMOUNT REQUESTED	COMMENTS & RECOMMENDATIONS
1891	Benson, Robert - Sheyenne (Eddy County)	Sheyenne River, trib. to the Red River	Irrigation	338.0 acre-feet 169.4 acres	169.4 acre-feet 169.4 acres
1882	Hamann, William - Dickinson (Stark County)	Government Creek, trib. to the Heart River	Irrigation	102.8 acre-feet 102.8 acres	40.0 acre-feet 40.0 acres

RESOLUTION NO. 73-3-338

Barnes County Water Management District's
Proposal for Construction of Sewer and Water System

WHEREAS, the Barnes County Water Management District has presented a certain sewer and water project to the North Dakota State Water Commission, Bismarck, North Dakota, for its approval, which project provides facilities to take raw sewage from and water supplies to an area on the west side of Valley City, North Dakota, connecting with the City's water and sewer system presently existing and owned by the City of Valley City. This project will provide for the orderly development of the area and eliminate pollution and environmental problems; and

WHEREAS, approval of the State Department of Health has been received on said project proposal; and

WHEREAS, this Commission is of the opinion that said proposal is proper and feasible; and

WHEREAS, plans are to be submitted and approved prior to construction.

NOW, THEREFORE, BE IT RESOLVED by the North Dakota State Water Commission at its regular meeting held on the 28th day of March, 1973, that said project be approved.

FOR THE NORTH DAKOTA STATE WATER COMMISSION:



ATTEST:

/S/ Arthur A. Link
Arthur A. Link
Governor-Chairman

/S/ Milo W. Hoisveen
Milo W. Hoisveen
Secretary

OBJECT BUDGET COMPARISON
1971-1973 BIENNIUMApril 23, 1973
SWC File C5-1.4

OBJ. CODE	OBJECT DESCRIPTION	MAR. 1973 EXPEND.	JULY 1, '71		EXP. % OF BUDGET TIME STD 87.5%*** SAL. STD 83.3%
			MAR. 31, '73 EXPEND.	BUDGET	
1000	Salaries	\$ 35,902.40	\$ 683,586.69	\$ 855,121.00	80%
1820	OASIS	-	352.94	4,400.00	8%
1830	Social Security	2,005.27	27,609.43	34,000.00	81%
1840	Hospital Insurance	292.50	5,711.42	7,500.00	76%
1850	Workmen's Compensation	-	2,306.38	3,600.00	64%
1880	State Retirement	1,362.96	23,332.17	30,000.00	78%
	TOTAL SALARIES & WAGES	\$ 39,563.13	\$ 742,899.03	\$ 934,621.00	(1) 79%
2110	Meals and Lodging	1,679.41	52,428.90	77,325.00	68%
2120	Personal Vehicle Mileage	140.60	5,545.26	8,000.00	69%
2130	Comm. Transportation	536.61	11,567.30	12,000.00	96%
2150	Misc. Travel	225.05	3,013.32	3,000.00	100%
2210	Water-Garbage	7.50	143.55	300.00	48%
2220	Natural Gas	47.19	747.91	1,000.00	75%
2230	Electricity	46.54	827.09	900.00	92%
2310	Rental-Equipment	289.45	3,453.77	2,500.00	138%
2360	Rent-Bldg. Space	5.00	25.00	500.00	5%
2410	Postage	624.74	4,147.98	4,000.00	103%
2420	Telephone	308.36	4,096.94	5,000.00	82%
2510	Repair Equipment	742.99	6,024.66	12,000.00	50%
2513	Maintenance Contracts	-	4,502.95	4,000.00	112%
2560	Repair Buildings & Grounds	-	35.00	1,000.00	4%
2612	Legal Fees	-	40.00	1,000.00	4%
2613	Audit Fees	-	222.63	500.00	44%
2614	Engineering Fees	235.70	580.70	2,500.00	23%
2619	Microfilm Service	-	4,440.54	-	-%
2650	Consulting Fees	-	1,625.00	1,500.00	108%
2682	Photography Fees	122.81	4,391.70	6,000.00	73%
2699	Misc. Professional Fees	1,453.65	10,473.70	12,000.00	87%
2710	Fidelity Bond	10.00	20.00	-	-%
2720	Property Insurance	-	997.00	700.00	142%
2730	Liability Insurance	503.00	942.00	900.00	104%
2911	Radio-Newspaper Fees	18.60	343.44	300.00	114%
2912	Rewards-Premiums	-	32.76	500.00	6%
2914	License & Taxes	5.00	567.00	700.00	81%
2915	Dues	150.00	2,008.33	2,000.00	100%
2916	Freight	754.10	1,186.43	1,500.00	79%
2999	Miscellaneous	-	675.62	1,000.00	67%
5900	Special Asses. Taxes	-	3,277.38	-	-%
	TOTAL FEES & SERVICES	\$ 7,906.30	\$ 128,383.86	\$ 162,625.00	79%
2618	Data Processing	\$ 112.29	\$ 3,257.30	\$ 4,500.00	72%
	TOTAL DATA PROCESSING	\$ 112.29	\$ 3,257.30	\$ 4,500.00	72%

OBJ. CODE	OBJECT DESCRIPTION	MAR. 1973 EXPEND.	JULY 1, '71 MAR. 31, '73 EXPEND.	BUDGET	EXP. % OF BUDGET TIME STD 87.5% SAL. STD 83.3%
3100	Office Supplies	\$ 1,558.55	\$ 14,567.68	\$ 19,000.00	76%
3105	Central Reproduction	120.68	2,864.13	2,500.00	114%
3110	Data Processing Supplies	-	-	200.00	-%
3120	Printing	2,775.65	7,808.84	17,500.00	44%
3130	Books, Maps, Subscriptions	168.43	4,514.59	5,000.00	90%
3132	Films	-	3,443.77	3,400.00	101%
3600	Hardware & Bldg. Supplies	995.76	48,640.26	50,000.00	97%
3700	Petroleum Supplies	487.16	26,067.92	35,000.00	74%
3800	Equipment Repair Parts	873.34	20,835.76	29,000.00	72%
3959	Miscellaneous	-	85.28	2,000.00	4%
TOTAL SUPPLIES & MATERIAL		\$6,979.57	\$ 128,828.23	\$ 163,600.00	78%
4100	Office Equipment	\$ -	\$ 3,249.40	\$ 1,500.00	216%
4300	Motor Vehicles	5,892.98	15,021.62	23,000.00	65%
4400	Machines & Equipment	-	878.29	500.00	175%
TOTAL EQUIPMENT		\$ 5,892.98	\$ 19,149.31	\$ 25,000.00	76%
7701	Basins Commission	\$ -	\$ 60,000.00	\$ 60,000.00	100%
7721	West River Diversion	\$ 3,781.98	\$ 101,296.09	\$ 132,400.00 (3)	76%
TOTAL GENERAL OPER. APPROP.		\$ 64,236.25	\$ 1,183,813.22	\$ 1,482,746.00	80%
5500	Contract Payments	\$ 13,532.53	\$ 1,469,860.38	\$ 1,900,000.00 (2)	77%
TOTAL STATE WATER COMM. BUDGET		\$ 77,768.78	\$ 2,653,673.60	\$ 3,382,746.00	78%

(1) Appropriation	\$831,071.00	(2) Appropriation	\$1,000,000.00
Federal Grant	88,550.00	Est. Contract	
Pub. Works Auth.	15,000.00	Fund Collection	900,000.00
	<u>\$934,621.00</u>		<u>\$1,900,000.00</u>

**21/24 months = 87.5 percent biennium elapsed (3) \$132,400.00 Federal Grant

Dist:
Comm.
MWH
ME
KK
VF
DDS

NORTH DAKOTA STATE WATER COMMISSION
 FINANCIAL STATEMENT MAR. 31, 1973
 1971-73 APPROPRIATIONS

C5-1.2

GENERAL OPERATIONS ACCOUNT	Available Funds		Disbursements		Account Balances		
	APPROPRIATION	RECEIPTS	TO DATE	MAR. '73	UNEXPENDED	ENCUMB.	UNENCUMB.
1001-Salaries Expense (1)	\$ 934,621.00	\$ -	\$ 742,899.03	\$39,563.13	\$191,721.97	\$ -	\$191,721.97
2001-Fees & Services	162,625.00	-	128,383.26	7,906.30	34,241.74	-	34,241.74
2051-Data Processing	4,500.00	-	3,257.30	112.29	1,242.70	-	1,242.70
300 Supplies & Materials	163,600.00	-	128,828.23	6,979.57	34,771.77	-	34,771.77
4001-Equipment	25,000.00	-	19,149.31	5,892.98	5,850.69	5,060.00	790.69
7701-Red Basin Comm.	60,000.00	-	60,000.00	-	-	-	-
TOTAL GENERAL OPERATIONS	\$1,350,346.00	\$ -	\$1,082,517.13	\$60,454.27	\$267,828.87	\$ 5,060.00	\$262,768.87
7721-West River Diversion (2)	\$ 132,400.00	\$ -	\$ 101,296.09	\$ 3,781.98	\$ 31,103.91	\$ -	\$ 31,103.91
CONTRACT FUND							
336-770-Contract "Cash" \$1,000,000							
Contract Collections 900,000 \$1,900,000							
Collection to Date		\$ 743,060.16					
Transfer from 001 to 336		850,000.00					
			\$1,469,860.38	\$13,532.53	\$430,139.62	\$358,905.00	\$ 71,234.62
TOTAL CONTRACT FUND	\$1,900,000.00	\$1,593,060.16	\$1,469,860.38	\$13,532.53	\$430,139.62	\$358,905.00	71,234.62
GRAND TOTALS	\$3,382,746.00	\$1,593,060.16	\$2,653,673.60	\$77,768.78	\$729,072.40	\$363,965.00	\$365,107.40

- (1) Includes \$88,550.00 Federal Grant
 Includes \$15,000.00 Emergency Comm. Authorization to Supervise \$181,934 Public Works Project
- (2) Includes \$32,400.00 Federal Grant

* Unencumbered by the fact that some of the projects authorized will not be funded until during the 1973-75 biennium

NORTH DAKOTA STATE WATER COMMISSION

PAYROLL - February 1973*

<u>NAME</u>	<u>POSITION</u>	<u>REMARKS</u>	<u>GROSS</u>
HOISVEEN, MILO W.	STATE ENGINEER	INC. JULY '72	\$ 1,875.00
BAESLER, GORDON	WATER RIGHTS TECHNICIAN	INC. JULY '72	850.00
BALLIET, ALLEN	RODMAN	INC. JULY '72	575.00
CHRISTENSEN, RAYMOND	CONSTRUCTION ENGINEER	INC. JULY '72	945.00
DALLY, ANTOINETTE	STENOGRAPHER	INC. JULY '72	430.00
EMERSON, MATT	ASSISTANT SECRETARY	INC. JULY '72	1,265.00
FAHY, VERN	ASSISTANT CHIEF ENGINEER	STA. SEPT. '72	1,625.00
FROELICH, LARRY	GEOLOGIST	INC. JULY '72	1,015.00
GALLAGHER, RICHARD	COMMISSIONER	STA. JULY '61	105.00
GEHRING, OSCAR	LAB TECHNICIAN	INC. JULY '72	655.00
GRAY, GORDON	COMMISSIONER	STA. JULY '70	45.00
GRUNSETH, ARLAND	INVESTIGATIONS ENGINEER	INC. JULY '72	1,145.00
HANSON, WILLIAM	DRAFTSMAN	INC. DEC. '72	600.00
HOETZER, STEVE	ASSISTANT DESIGN ENGINEER	INC. JULY '72	945.00
JOCHIM, CLIFFORD	ATTORNEY	INC. JULY '72	1,350.00
JUNGROTH, JAMES	COMMISSIONER	STA. SEPT. '67	120.00
KLAPPRODT, LEROY	ENGINEER TECHNICIAN	INC. JULY '72	620.00
KLING, THOMAS	SOILS TECHNICIAN	STA. SEPT. '71	192.50
KNOLL, JAMES	OPERATOR	INC. JULY '72	620.00
KNUTSON, LEWIS	DRILLER	INC. JULY '72	795.00
KOCH, KAY	ACCOUNTANT	INC. JULY '72	315.00
KRAMER, ALVIN	COMMISSIONER	STA. APR. '70	30.00
LINDVIG, MILTON	GROUND-WATER ENGINEER	INC. JULY '72	1,265.00
LOCKEN, SHARON	CHIEF STENOGRAPHER	INC. JULY '72	650.00
MEES, LADARANA	FIELD ENGINEER	INC. JULY '72	880.00
MURI, GARVIN	CHEMIST	INC. JULY '72	940.00
NAPLIN, CHARLES	GEOLOGIST	INC. JULY '72	955.00
NEAL, DEAN	LAB TECHNICIAN	STA. SEPT. '71	136.00
NELSON, C. P.	DRAINAGE ENGINEER	INC. JULY '72	1,200.00
O'BRIEN, GEORGE	DRAFTSMAN	INC. DEC. '72	600.00
PUTZ, ROY	OFFICE ASSISTANT	INC. JULY '72	525.00
SACKMAN, EUGENE	SURVEYOR	INC. JULY '72	795.00
SCHAAN, WENDELL	ASSISTANT DRILLER	STA. SEPT. '72	500.00
SCHMID, ROGER	GROUND-WATER HYDROLOGIST	INC. JULY '72	1,125.00
SCHULZ, DELTON	OFFICE ENGINEER	INC. JULY '72	1,470.00
SCOTT, LLOYD	CHIEF DRAFTSMAN	INC. DEC. '72	795.00
SENGER, ANTON	CONSTRUCTION INSP.	INC. JULY '72	580.00
SENZEK, GORDON	EDA ENGINEER	STA. JAN. '73	1,050.00
SIEMS, MYRNA	STENOGRAPHER	INC. JULY '72	360.00
SPEAKS, GLENN	OPERATOR	INC. JULY '72	640.00
SVIHLA, ROSALIE	STENOGRAPHER	INC. JULY '72	380.00
SWANSON, RONALD	DESIGN ENGINEER	INC. JULY '72	1,115.00
THOMAS, NELDA	DIRECTOR OF INFORMATION	RES. FEB. '73	1,063.00
TILLOTSON, ANN	RESEARCH ASSISTANT	INC. JULY '72	500.00
ULRICH, ROGER	RODMAN	INC. JULY '72	540.00
WALTERSON, HOWARD	CONSTRUCTION SUPT.	INC. JULY '72	805.00
WELCH, CYNTHIA	STENOGRAPHER	STA. SEPT. '70	340.00
WERNER, ROBERT	DRAFTSMAN	INC. DEC. '72	575.00
SWC GROUP INS.			292.50
SWC RET-MATCHING			1,362.96
SOCIAL SECURITY			2,005.27
			<u>\$39,563.13</u>

*Pd. in March

OBJECT BUDGET COMPARISON
1971-1973 BIENNIUMMay 18, 1973
SWC File C5-1.4

OBJ. CODE	OBJECT DESCRIPTION	APR. 1973 EXPEND.	JULY 1, '71		EXP. % OF BUDGET TIME STD 91.6%** SAL. STD 87.5%
			APR. 30, '73 EXPEND.	BUDGET	
1000	Salaries	\$35,064.54	\$ 718,651.23	\$ 855,121.00	84%
1820	OASIS	-	352.94	4,400.00	8%
1830	Social Security	1,956.26	29,565.69	34,000.00	87%
1840	Hospital Insurance	285.00	5,996.42	7,500.00	80%
1850	Workmen's Compensation	-	2,306.38	3,600.00	64%
1880	State Retirement	1,333.00	24,665.17	30,000.00	82%
	TOTAL SALARIES & WAGES	\$38,638.80	\$ 781,537.83	\$ 934,621.00	(1) 84%
2110	Meals and Lodging	1,995.98	54,424.88	77,325.00	70%
2120	Personal Vehicle Mileage	259.80	5,805.06	8,000.00	72%
2130	Comm. Transportation	449.20	12,016.50	12,000.00	100%
2150	Misc. Travel	113.78	3,089.60	3,000.00	103%
2210	Water-Garbage	5.40	148.95	300.00	50%
2220	Natural Gas	-	747.91	1,000.00	75%
2230	Electricity	-	827.09	900.00	92%
2310	Rental- Equipment	262.45	3,716.22	2,500.00	148%
2360	Rent-Bldg. Space	-	25.00	500.00	5%
2410	Postage	374.33	4,522.31	4,000.00	113%
2420	Telephone	-	4,096.94	5,000.00	82%
2510	Repair Equipment	542.71	6,567.37	12,000.00	55%
2513	Maintenance Contracts	50.50	4,553.45	4,000.00	114%
2560	Repair Buildings & Grounds	-	35.00	1,000.00	4%
2612	Legal Fees	-	40.00	1,000.00	4%
2613	Audit Fees	-	222.63	500.00	44%
2614	Engineering Fees	-	580.70	2,500.00	23%
2619	Microfilm Service	-	4,440.54	-	-%
2650	Consulting Fees	225.00	1,850.00	1,500.00	123%
2682	Photography Fees	29.51	4,421.21	6,000.00	74%
2699	Misc. Professional Fees	155.00	10,628.70	12,000.00	88%
2710	Fidelity Bond	-	20.00	-	-%
2720	Property Insurance	-	997.00	700.00	142%
2730	Liability Insurance	-	942.00	900.00	104%
2911	Radio-Newspaper Fees	16.80	360.24	300.00	120%
2912	Rewards-Premiums	-	32.76	500.00	6%
2914	License & Taxes	-	567.00	700.00	81%
2915	Dues	50.00	2,058.33	2,000.00	103%
2916	Freight	754.10	1,186.43	1,500.00	79%
2999	Miscellaneous	-	675.62	1,000.00	67%
5900	Special Asses. Taxes	-	3,277.38	-	-%
	TOTAL FEES & SERVICES	\$ 4,530.46	\$ 132,913.72	\$ 162,625.00	82%
2618	Data Processing	\$ 224.16	\$ 3,481.46	\$ 4,500.00	77%
	TOTAL DATA PROCESSING	\$ 224.16	\$ 3,481.46	\$ 4,500.00	77%

OBJ. CODE	OBJECT DESCRIPTION	APR. 1973 EXPEND.	JULY 1, '71		EXP. % OF BUDGET TIME STD 91.6%**
			APR. 30, '73 EXPEND.	BUDGET	
3100	Office Supplies	\$ 560.50	\$ 15,128.18	\$ 19,000.00	79%
3105	Central Reproduction	209.06	3,073.19	2,500.00	123%
3110	Data Processing Supplies	-	-	200.00	-%
3120	Printing	93.23	7,902.07	17,500.00	45%
3130	Books, Maps, Subscriptions	231.71	4,746.30	5,000.00	95%
3132	Films	43.00	3,486.77	3,400.00	102%
3600	Hardware & Bldg. Supplies	1,876.34	50,516.60	50,000.00	101%
3700	Petroleum Supplies	1,030.04	27,097.96	35,000.00	77%
3800	Equipment Repair Parts	1,035.90	21,871.66	29,000.00	75%
3959	Miscellaneous	-	85.28	2,000.00	4%
TOTAL SUPPLIES & MATERIAL		<u>\$5,079.78</u>	<u>\$ 133,908.01</u>	<u>\$ 163,600.00</u>	<u>82%</u>
4100	Office Equipment	\$ -	\$ 3,249.40	\$ 1,500.00	216%
4300	Motor Vehicles	-	15,021.62	23,000.00	65%
4400	Machines & Equipment	-	878.29	500.00	175%
TOTAL EQUIPMENT		<u>\$ -</u>	<u>\$ 19,149.31</u>	<u>\$ 25,000.00</u>	<u>76%</u>
7701	Basins Commission	\$ -	\$ 60,000.00	\$ 60,000.00	100%
7721	West River Diversion	<u>\$ 3,917.97</u>	<u>\$ 105,214.06</u>	<u>\$ 132,400.00 (3)</u>	<u>79%</u>
TOTAL GENERAL OPER. APPROP.		<u>\$52,391.37</u>	<u>\$1,236,204.59</u>	<u>\$1,482,746.00</u>	<u>83%</u>
5500	Contract Payments	<u>\$30,844.70</u>	<u>\$1,500,705.08</u>	<u>\$1,900,000.00 (2)</u>	<u>79%</u>
TOTAL STATE WATER COMM. BUDGET		<u>\$83,236.07</u>	<u>\$2,736,909.67</u>	<u>\$3,382,746.00</u>	<u>81%</u>

(1) Appropriation \$831,071.00	(2) Appropriation \$1,000,000.00
Federal Grant 88,550.00	Est. Contract
Pub. Works Auth. 15,000.00	Fund Collection 900,000.00
<u>\$934,621.00</u>	<u>\$1,900,000.00</u>

**22/24 months = 91.6 percent biennium elapsed (3) \$132,400.00 Federal Grant

Dist:
Comm.
VF
DDS
ME
KK

NORTH DAKOTA STATE WATER COMMISSION
 FINANCIAL STATEMENT APRIL 30, 1973
 1971-73 APPROPRIATIONS

C5-1.2

GENERAL OPERATIONS ACCOUNT	Available Funds APPROPRIATION	Funds RECEIPTS	Disbursements TO DATE	APR. '73	Account Balances		
					UNEXPENDED	ENCUMB.	UNENCUMB.
1001-Salaries Expense (1)	\$ 934,621.00	\$ -	\$ 781,537.83	\$38,638.80	\$153,083.17	\$ -	\$153,083.17
2001-Fees & Services	162,625.00	-	132,913.72	4,530.46	29,711.28	-	29,711.28
2051-Data Processing	4,500.00	-	3,481.46	224.16	1,018.54	-	1,018.54
3001-Supplies & Materials	163,600.00	-	133,908.01	5,079.78	29,691.99	-	29,691.99
4001-Equipment	25,000.00	-	19,149.31	-	5,850.69	5,060.00	790.69
7701-Red Basin Comm.	<u>60,000.00</u>	<u>-</u>	<u>60,000.00</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
TOTAL GENERAL OPERATIONS	\$1,350,346.00	\$ -	\$1,130,990.33	\$48,473.20	\$219,355.67	\$ 5,060.00	\$214,295.67
7721-West River Diversion(2)	\$ 132,400.00	\$ -	\$ 105,214.06	\$ 3,917.97	\$ 27,185.94	\$ -	\$ 27,185.94
CONTRACT FUND							
336-770-Contract "Cash" \$1,000,000							
Contract Collections 900,000 \$1,900,000							
Collection to Date		\$ 769,060.16					
Transfer from 001 to 336		850,000.00					
			\$1,500,705.08	\$30,844.70	\$399,294.92	\$332,905.00	\$ 66,389.92
TOTAL CONTRACT FUND	<u>\$1,900,000.00</u>	<u>\$1,619,060.16</u>	<u>\$1,500,705.08</u>	<u>\$30,844.70</u>	<u>\$399,294.92</u>	<u>\$332,905.00</u>	<u>\$ 66,389.92</u>
GRAND TOTALS	<u>\$3,382,746.00</u>	<u>\$1,619,060.16</u>	<u>\$2,736,909.47</u>	<u>\$83,235.87</u>	<u>\$645,836.53</u>	<u>\$337,965.00</u>	<u>\$307,871.53</u>

- (1) Includes \$88,550.00 Federal Grant
 Includes \$15,000.00 Emergency Comm. Authorization to Supervise \$181,934 Public Works Project
- (2) Includes \$32,400.00 Federal Grant

* Unencumbered by the fact that some of the projects authorized will not be funded until during the 1973-75 biennium

NORTH DAKOTA STATE WATER COMMISSION

52

PAYROLL - March 1973

<u>NAME</u>	<u>POSITION</u>	<u>REMARKS</u>	<u>GROSS</u>
HOISVEEN, MILO W.	STATE ENGINEER	INC. JULY '72	\$ 1,875.00
BAESLER, GORDON	WATER RIGHTS TECHNICIAN	INC. JULY '72	850.00
BALLIET, ALLEN	RODMAN	INC. JULY '72	575.00
CHRISTENSEN, RAYMOND	CONSTRUCTION ENGINEER	INC. JULY '72	945.00
DALLY, ANTOINETTE	STENOGRAPHER	INC. JULY '72	430.00
EMERSON, MATT	ASSISTANT SECRETARY	INC. JULY '72	1,265.00
FAHY, VERN	ASSISTANT CHIEF ENGINEER	STA. SEPT. '72	1,625.00
FROELICH, LARRY	GEOLOGIST	INC. JULY '72	1,015.00
GALLAGHER, RICHARD	COMMISSIONER	STA. JULY '61	15.00
GEHRING, OSCAR	LAB TECHNICIAN	INC. JULY '72	655.00
GRAY, GORDON	COMMISSIONER	STA. JULY '70	30.00
GRUNSETH, ARLAND	INVESTIGATIONS ENGINEER	INC. JULY '72	1,145.00
HANSON, WILLIAM	DRAFTSMAN	INC. DEC. '72	600.00
HOETZER, STEVE	ASSISTANT DESIGN ENGINEER	INC. JULY '72	945.00
JOCHIM, CLIFFORD	ATTORNEY	INC. JULY '72	1,350.00
JUNGROTH, JAMES	COMMISSIONER	STA. SEPT. '67	15.00
KLAPPRODT, LEROY	ENGINEER TECHNICIAN	INC. JULY '72	620.00
KLING, THOMAS	SOILS TECHNICIAN	STA. SEPT. '71	262.50
KNOLL, JAMES	OPERATOR	RES. MAR. '73	935.04
KNUTSON, LEWIS	DRILLER	INC. JULY '72	795.00
KOCH, KAY	ACCOUNTANT	INC. JULY '72	315.00
KRAMER, ALVIN	COMMISSIONER	STA. APR. '70	45.00
LINDVIG, MILTON	GROUND-WATER ENGINEER	INC. JULY '72	1,265.00
LOCKEN, SHARON	CHIEF STENOGRAPHER	INC. JULY '72	650.00
MEES, LADARANA	FIELD ENGINEER	INC. JULY '72	880.00
MURI, GARVIN	CHEMIST	INC. JULY '72	940.00
NAPLIN, CHARLES	GEOLOGIST	INC. JULY '72	955.00
NEAL, DEAN	LAB TECHNICIAN	STA. SEPT. '71	172.00
NELSON, C. P.	DRAINAGE ENGINEER	INC. JULY '72	1,200.00
O'BRIEN, GEORGE	DRAFTSMAN	INC. DEC. '72	600.00
PUTZ, ROY	OFFICE ASSISTANT	INC. JULY '72	525.00
SACKMAN, EUGENE	SURVEYOR	INC. JULY '72	795.00
SCHAAN, WENDELL	ASSISTANT DRILLER	STA. SEPT. '72	500.00
SCHMID, ROGER	GROUND-WATER HYDROLOGIST	INC. JULY '72	1,125.00
SCHULZ, DELTON	OFFICE ENGINEER	INC. JULY '72	1,470.00
SCOTT, LLOYD	CHIEF DRAFTSMAN	INC. DEC. '72	795.00
SENGER, ANTON	CONSTRUCTION INSP.	INC. JULY '72	580.00
SENZEK, GORDON	EDA ENGINEER	STA. JAN. '73	1,050.00
SIEMS, MYRNA	STENOGRAPHER	INC. JULY '72	360.00
SPEAKS, GLENN	OPERATOR	INC. JULY '72	640.00
SVIHLA, ROSALIE	STENOGRAPHER	INC. JULY '72	380.00
SWANSON, RONALD	DESIGN ENGINEER	INC. JULY '72	1,115.00
TILLOTSON, ANN	RESEARCH ASSISTANT	INC. JULY '72	500.00
ULRICH, ROGER	RODMAN	INC. JULY '72	540.00
WALTERSON, HOWARD	CONSTRUCTION SUPT.	INC. JULY. '72	805.00
WELCH, CYNTHIA	STENOGRAPHER	STA. SEPT. '70	340.00
WERNER, ROBERT	DRAFTSMAN	INC. DEC. '72	575.00
SWC GROUP INS.			285.00
SWC RET-MATCHING			1,333.00
SOCIAL SECURITY			1,956.26
			<u>\$38,638.80</u>

*Pd. in April