

MINUTES OF THE METROPOLITAN SEWERAGE DISTRICT BOARD

APRIL 17, 1979

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration Building at 2 p.m., Tuesday, April 17, 1979.

Chairman Robinson called the meeting to order, and Mrs. Crowe called the roll. In addition to Chairman Robinson, the following members were present: Messrs. Black, Boggs, Clark, Griffith, Pope, Smith, Warlick, and Williams.

In addition to the Board members, the following attorneys, consultant, and staff members were present: Mr. Anthony Redmond and Mrs. Brenda Pollard; Mr. Dean Huber; Mr. W. H. Mull, Mrs. Jan Crowe, and Mrs. Linda Duncan.

The members having received copies of the minutes of the March 20 meeting, Mr. Griffith moved that the minutes stand approved as written. Mr. Smith seconded the motion, and voice vote was unanimous.

Mr. W. H. Mull, Engineer-Manager, reported on the following:

- (a) Tabulation of bids received for oil storage building following readvertisement: There having been an insufficient number of bids received on April 21, Mr. Clark moved that the Board reject all bids received and authorize Mr. Mull to readvertise for bids. Mr. Black seconded the motion, and roll call vote was unanimous.
- (b) Health insurance increase due to PL 95-555, the "Pregnancy Benefits" amendment to Title VII of the Civil Rights Act: Since this insurance for increased coverage is compulsory and since the form received March 29 had to be returned to Blue Cross by April 1, Mr. Mull had executed the document and returned same to Blue Cross. After a brief discussion, Mr. Smith moved that the Board ratify Mr. Mull's actions. Mr. Pope seconded the motion, and roll call vote was unanimous.
- (c) Annual Report of Consulting Engineers: The Annual Report, as required by MSD's Bond Resolution, is prepared annually on or before April 15 and is presented to the MSD Board at its next regular meeting thereafter by Harry Hendon and Associates, Inc. At the request of Mr. Mull, Mr. Dean Huber presented the report to the Board, said Annual Report being attached and thereby made a part of these minutes. After the presentation, Mr. Smith moved that the Board accept the Consulting Engineers' Annual Report as presented. Mr. Williams seconded the motion, and voice vote was unanimous.
- (d) Formation of "208 Collector System Management Task Force": Mr. Mull reported briefly to the Board on the organizational meeting and said he and Mr. Redmond would keep the Board informed as progress is made in regard to the collector

system management task force. Mr. Mull is chairman of the newly formed Ad Hoc Committee, whose membership is composed of representatives from the following thirteen entities:

Asheville, City of
Avery's Creek Sanitary District
Black Mountain, Town of
Buncombe County
Christmount Christian Assembly
Lutheridge Camp & Conference Center
Metropolitan Sewerage District
Montreat, Town of
Mountain Retreat Association
Ridgecrest Baptist Conference Center
Weaverville, Town of
Woodfin, Town of
Woodfin Sanitary Water & Sewer District

- (e) Minority business enterprises participation in construction projects: Mr. Mull reported briefly on this federal grant requirement, stating that the Board must set a grant offer percentage goal for minority business enterprises for construction projects, the lowest goal allowed being 8 percent. Mr. Redmond requested that the Board instruct Mr. Mull to mail copies of the regulations to each Board member so that the Board can be prepared to handle the matter at the next meeting. Mr. Mull told the Board he would present more information at the May meeting.

Mr. Smith, Chairman of the Budget Committee, presented the Preliminary Budget for Fiscal Year 1979-80 to the Board. After discussion, Mr. Warlick moved that the Board accept the Preliminary Budget--copy of which is attached and made a part of these minutes--and set a public hearing for May 15 to be held during the Board's regular monthly meeting; further, that the Board authorize publication of the public hearing by Mr. Redmond. Mr. Clark seconded the motion, and roll call vote was unanimous.

At its February meeting, the Board requested that Mr. Redmond prepare resolutions commending Mr. Dillingham and Mr. McDevitt for their years of service to the Board. Having prepared the draft resolutions for the Board's consideration, Mr. Redmond read aloud both. Mr. Williams then moved that the Board adopt both resolutions--copies attached and thereby made a part of these minutes--and mail a copy to Mr. Dillingham, Mr. McDevitt, and each Board member. Mr. Warlick seconded the motion, and voice vote was unanimous.

Date of the next regular meeting of the MSD Board was set for May 15, 1979.

There being no further business, the meeting was adjourned at 3:05 p.m.


Secretary



Harry Hendon and Associates

INCORPORATED
ENGINEERS

TELEPHONE (205) 823-7480

ADDRESS REPLY TO P. O. BOX 20130

SOUTHCREST BUILDING, VESTAVIA HILLS · BIRMINGHAM, ALABAMA 35216

HARRY H. HENDON
(1904 - 1973)

L. E. HOFFMANN

A. B. JOWERS

P. L. BENTLEY

M. G. BUCKLEY, JR.

J. C. PRUETT

April 10, 1979

D. H. HAUSWIRTH

H. S. KAHLON

G. S. RAJAN

G. H. RHODES

L. R. ROBINSON, JR.

W. L. SAMUEL

Metropolitan Sewerage District
Buncombe County, North Carolina
P. O. Box 7413
Asheville, North Carolina 28807

Attention: Mr. W. H. Mull, Engineer-Manager

Gentlemen:

Section 505 of the Resolution authorizing the Sewage Disposal System's Bonds for the Metropolitan Sewerage District of Buncombe County requires the Consulting Engineer to prepare and file with the District Board, the Local Government Commission, the Engineer-Manager and the Trustee, on or before the 15th day of April in each year, a report setting forth the following:

"(a) their advices and recommendations as to the proper maintenance, repair and operation of the Sewerage System during the ensuing fiscal year, and an estimate of the amount of money necessary for such purposes";

As discussed later in this report the system has not been meeting the effluent requirements stipulated in their NPDES permit. There has been an unusual increase in operating and maintenance problems during the past year. The primary causes for these deteriorating conditions are an increase in industrial waste loads beyond that for which the plants were designed (bringing them closer to their design capacity), the aging of the mechanical components at the wastewater treatment plants, and the inability of an inadequate maintenance and operation staff to cope with these increasing problems. Positive actions will be

required during the ensuing fiscal year to overcome the deficiencies that have developed.

We have furnished the Engineer-Manager a list of maintenance items requiring correction, or the replacement of equipment, noted during our inspection of the system on March 12 - 13, 1979. Most of the problems have been recognized and parts are either on hand or on order to make needed repairs. However the work load to accomplish these repairs exceed the time and capacity of the present staff.

The District has only one certified Class IV Plant Operator which is not adequate for the proper operation and maintenance of a system of this size. Originally, MSD employed two Class IV operators. However one of the operators left MSD about six years ago and the work load did not seem to warrant his replacement at that time. In order to bring operation and maintenance at the treatment plants up to acceptable standards, it is recommended that two additional assistants be employed; an Assistant Superintendent for Operation (who should be a Class IV operator) and an Assistant Superintendent for Maintenance (who would not have to have his Class IV license). In addition one or two lower level employees should also be employed together with the necessary support facilities.

It is estimated that the annual costs of this additional staff would be as follows:

Annual Salary Expense:	
Asst. Supt. - Operation	\$18,000
Asst. Supt. - Maintenance	17,000
General Mechanic	10,000
Bldgs. and Grounds	8,000
	<u>\$53,000</u>
Insurance, Hospitalization, etc.	1,300
	<u>\$54,300 per year</u>
4-Wheel Drive Vehicle	\$ 9,000

It is further recommended that a program be initiated to fine tune the Metropolitan Sewage Plant, and that the industrial monitoring program be tightened up. In order to carry out a fine tuning program at the main treatment plant it will be necessary to get the concurrence of the permit authority. Permission would be required to exceed established discharge limits during a period of testing and adjustment to protect MSD. The purpose of the fine tuning would be to increase the operational efficiency of the aeration and final clarification processes.

As recommended in our last annual report an Operation and Maintenance Manual is sorely needed in order to maintain the system at acceptable levels after corrective actions are completed. An application has been submitted to EPA by MSD for the preparation of an Operation and Maintenance Manual at a cost of \$25,000, in order to obtain partial Federal funding. Action is being awaited on this request.

"(b) their advices and recommendations as to the extensions, improvements, renewals and replacements which should be made during the ensuing fiscal year, and their recommendations as to the amount that should be deposited during the ensuing fiscal year to the credit of the Repair and Extension Fund for such purposes";

To eliminate the potential hazardous condition of storing lubricating oil, kerosene, diesel fuel, and cleaners in the blower building, plans have been prepared for an oil storage building and bids were received on March 19, 1979. All bids were rejected and the project will be rebid.

Phase 1 of the Sewer System Evaluation Survey was started in September, 1977, at a cost of approximately \$1,000,000. The local share of the cost is to be shared by each of the entities owning the collection systems on the basis of the work required on each respective system. A Federal grant from EPA is funding 75 percent of the cost. It

was anticipated that this work would require about two years to complete. However, due to the failure of McCullough Associates, the prime subcontractor, to meet his schedule the flow monitoring phase of this work is behind schedule.

Preparation of plans and specifications for intercepting sewers for South Buncombe County and Hominy Valley are approximately 90% complete, at a cost of \$276,480, which cost is being shared jointly by EPA, the State, Buncombe County, Henderson County and the District. The preparation of these plans and specifications have been delayed due to difficulty in obtaining permission from the land owners to survey on certain portions of the lines.

An application was submitted to the State and EPA in December, 1978 for a grant in support of the total estimated construction cost of \$5,525,000 for the Hominy Valley intercepting sewer. Action on this request is pending.

It having been determined that in lieu of expanding the Weaverville Sewage Treatment Plant it is more cost-effective to pump the waste discharged to the Weaverville plant to the Main Sewage Treatment Plant. An application has been submitted to EPA, and is pending, for the preparation of plans and specifications to provide for pumping sewage to the main plant at a cost of \$32,480 for the preparation of the plans.

Also pending is an application to the EPA for the preparation of a pre-treatment program plan, as required by the Federal Water Pollution Control Act, at a cost of \$37,500.

Funds on deposit in the Repair and Extension Fund totaled \$1,355,791 as of February 28, 1979, and are adequate to meet the requirements for the ensuing fiscal year. In view of the potential volume of work now under planning, it is recommended that as the flows of funds

permit the amount in the Repair and Extension Fund be increased to a level of approximately \$2,000,000. This will enable the District to handle interim financing during construction in future fiscal years prior to actual reimbursement of construction costs from grant funds.

"(c) their advices and recommendations as to the insurance to be carried under the provisions of Section 706 of this Resolution";

We have obtained from the District's insurance carrier a tabulation of the policies and coverages currently in effect. The insurance being carried is in accordance with our recommendations as required by Section 706 of the Bond Resolution.

"(d) their recommendations as to any necessary or advisable revisions of the sewage disposal charges, and";

Current sewer rates are based on a Resolution effective July 1, 1975, adopting charges for the discharge of domestic wastewater and industrial wastes. Adjustments were made to industrial waste charges in accordance with the annual User Charge Analysis conducted during July, 1978.

With the current revised project costs and in view of the fact that MSD is currently receiving State grant funds, the amount of dollars for scheduled capital improvements that is calculated into the sewer service charges should be reevaluated during this year's user charge analysis.

"(e) their findings whether the properties of the Sewerage System have been maintained in good repair and sound operating condition, and their estimate of the amount, if any, required to be expended to place the System in such condition and the details of such expenditures and the approximate time required therefor".

The level of maintenance and repair of the District's physical properties has become a matter of serious concern. As discussed

heretofor, accelerating decline is due primarily to three factors; the increasing industrial waste loading beyond that envisioned at the time the plants were designed, the aging of many parts of the equipment in the wastewater treatment plants, and an inadequate operating and maintenance staff to meet current operating and maintenance requirements. During the past year the BOD at the Main Plant has frequently exceeded the allowable 30 mg/l, suspended solids in the effluent averaged 32.2 mg/l - exceeding the allowable 30 mg/l, and for the past six months the sludge volume index has averaged 581, whereas a sludge volume index of under 100 is usually considered necessary to attain satisfactory suspended solids removal. The Weaverville and Crescent Hills Plants performance statistics were also well below acceptable standards. To meet the minimum requirements of the NPDES permits for the plants, immediate corrective action is required. It is recommended that the staff be increased, and that permission be obtained for a fine tuning program in order to achieve acceptable results.

All of the flood damage reported in our last annual report has been corrected.

We would like to express our thanks and appreciation to Mr. W. H. Mull and to Mr. R. L. Cunningham, who have been most cooperative with our work as Consulting Engineers.

Very truly yours,

HARRY HENDON AND ASSOCIATES, INC.

By



L. E. Hoffmann, President

LEH:h

cc: Local Government Commission
Trustee

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MSD Metropolitan Sewerage District of Buncombe County, North Carolina.

W. H. Mull, P.E., Engineer-Manager
P.O. Box 7157, Asheville, N. C. 28807
Telephone: Area Code 704-255-5383

Anthony Redmond, General Counsel



C. LeRoy Robinson, Chairman
M. Leon Williams, Vice-Chairman
Michael L. Black
Walter J. Boggs
Ben Clark
Paul E. Griffith
D. Frank Hyatt
Roy W. Pope
Frank S. Smith III
Paul W. Warlick

April 17, 1979

I, Ben H. Clark, Secretary to the District Board of the Metropolitan Sewerage District of Buncombe County, North Carolina, DO HEREBY CERTIFY that the attached copy is a true and correct copy of the PRELIMINARY 1979-80 BUDGET adopted by the Metropolitan Sewerage District Board at their regular meeting held April 17, 1979.

WITNESS my hand and seal of said District this 17 day of April, 1979.

Signed by Ben H. Clark
Secretary

Metropolitan Sewerage District
of Buncombe County, N. C.

DISBURSEMENTS CONTINUED

	1979-80 BUDGET	CURRENT YEAR:		PRIOR YEAR:	
		MONTH OF _____	ENDED _____	MONTH OF _____	ENDED _____
SALARIES & WAGES.....	280,000	_____	_____	_____	_____
CHEMICALS.....	50,000	_____	_____	_____	_____
TELEPHONE.....	1,500	_____	_____	_____	_____
POWER & LIGHTS.....	210,000	_____	_____	_____	_____
MAINTENANCE SUPPLIES.....	3,300	_____	_____	_____	_____
WATER.....	6,200	_____	_____	_____	_____
VEHICLE EXPENSE.....	10,000	_____	_____	_____	_____
LABORATORY SUPPLIES.....	4,300	_____	_____	_____	_____
UNIFORM SERVICE.....	1,800	_____	_____	_____	_____
SMALL TOOLS & SUPPLIES.....	1,100	_____	_____	_____	_____
MAINTENANCE (BUILDINGS & GROUNDS)...	13,000	_____	_____	_____	_____
MAINTENANCE (PIPELINE).....	15,000	_____	_____	_____	_____
MAINTENANCE (EQUIPMENT).....	70,000	_____	_____	_____	_____
CAPITAL OUTLAY--NEW.....	15,000	_____	_____	_____	_____
EQUIPMENT REPLACEMENT.....	30,000	_____	_____	_____	_____
CONTINGENCY.....	21,500	_____	_____	_____	_____
TOTAL OPERATIONS EXPENDITURES.....	732,700*	_____	_____	_____	_____
TOTAL DISBURSEMENTS.....	<u>1,011,150**</u>	_____	_____	_____	_____
RECEIPTS:					
TRANSFER FROM REVENUE FUND.....		_____	_____	_____	_____
OTHERS _____.....		_____	_____	_____	_____
TOTAL RECEIPTS.....		_____	_____	_____	_____
EXCESS OF RECEIPTS OVER DISBURSEMENTS.....		_____	_____	_____	_____
(DISBURSEMENTS OVER RECEIPTS).....		_____	_____	_____	_____
CASH BALANCE:					
BEGINNING OF PERIOD.....		_____	_____	_____	_____
ENDING OF PERIOD.....		_____	_____	_____	_____

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*THE CURRENT EXPENSES FOR EACH MONTH ARE ESTIMATED TO BE ONE-TWELFTH (1/12) OF THE ANNUAL BUDGET.

**ESTIMATED REVENUE TO BE COLLECTED FROM SEWER SERVICE CHARGES FOR THIS FUND EQUALLY (\$1,011,150).

OPERATION AND MAINTENANCE FUND--STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS

FOR THE MONTH OF _____ AND _____ MONTH ENDED _____ COMPARED WITH PREVIOUS YEAR

PRELIMINARY

1979-80
BUDGET

CURRENT YEAR
MONTH

PRIOR YEAR
MONTH

MONTH OF _____ ENDED _____

MONTH OF _____ ENDED _____

SALARIES.....	77,850	_____	_____	_____	_____
BILLING & COLLECTIONS.....	50,000	_____	_____	_____	_____
TELEPHONE & TELEGRAPH.....	2,000	_____	_____	_____	_____
TRAVEL & CONVENTION EXPENSES.....	3,500	_____	_____	_____	_____
OFFICE SUPPLIES.....	5,000	_____	_____	_____	_____
POWER & WATER.....	2,500	_____	_____	_____	_____
DIRECTORS' FEES & EXPENSES.....	7,500	_____	_____	_____	_____
INSURANCE.....	18,000	_____	_____	_____	_____
DUES & SUBSCRIPTIONS.....	2,000	_____	_____	_____	_____
ACCOUNTING SERVICE @ 1% of Payroll..	3,500	_____	_____	_____	_____
CONSULTING ENGINEERS.....	9,000	_____	_____	_____	_____
LEGAL FEES & EXPENSES.....	25,000	_____	_____	_____	_____
TRUSTEE FEES.....	5,400	_____	_____	_____	_____
AUDIT.....	2,100	_____	_____	_____	_____
POSTAGE & PETTY CASH.....	1,300	_____	_____	_____	_____
REPAIRS--OFFICE EQUIPMENT.....	300	_____	_____	_____	_____
SOCIAL SECURITY TAXES @ 6.50%.....	22,100	_____	_____	_____	_____
CONTRIBUTIONS--RETIREMENT FUND 7.4%.	26,000	_____	_____	_____	_____
VEHICLE EXPENSES.....	3,900	_____	_____	_____	_____
CAPITAL OUTLAY (EQUIPMENT).....	2,000	_____	_____	_____	_____
CONTINGENCY.....	9,500	_____	_____	_____	_____
TOTAL ADMINISTRATIVE & GENERAL.....	<u>278,450*</u>	_____	_____	_____	_____

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April 19, 1979

I, Ben H. Clark, Secretary to the District Board of the Metropolitan Sewerage District of Buncombe County, North Carolina, DO HEREBY CERTIFY that the attached copy is a true and correct copy of the RESOLUTION adopted by the Metropolitan Sewerage District Board at its regular meeting held April 17, 1979.

WITNESS my hand and seal of said District this 19th day of April, 1979.

Signed by

Ben H. Clark

Secretary to the Board
Metropolitan Sewerage District
of Buncombe County

RESOLUTION

WHEREAS, the Board of the Metropolitan Sewerage District of Buncombe County, North Carolina, in regular meeting assembled on April 17, 1979, cognizant of the retirement from the Board of Mr. P. P. Dillingham, an appointee of the Town of Woodfin, desires to express its sentiments with regard to Mr. Dillingham's tenure as a member of this Board and its appreciation of his services to the District;

NOW, THEREFORE, BE IT RESOLVED by the Board of the Metropolitan Sewerage District of Buncombe County, North Carolina, that this Board hereby signifies its gratitude to Mr. Dillingham for his sound judgment and important contribution of time and service to the Board and the community which it serves and records hereby in its records its appreciation of this service.

MSD Metropolitan Sewerage District of Buncombe County, North Carolina.

W. H. Mull, P.E., Engineer-Manager
P.O. Box 7157, Asheville, N. C. 28807
Telephone: Area Code 704-255-5383

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April 19, 1979

I, Ben H. Clark, Secretary to the District Board of the Metropolitan Sewerage District of Buncombe County, North Carolina, DO HEREBY CERTIFY that the attached copy is a true and correct copy of the RESOLUTION adopted by the Metropolitan Sewerage District Board at its regular meeting held April 17, 1979.

WITNESS my hand and seal of said District this 19th day of April, 1979.

Signed by

Ben H. Clark

Secretary to the Board
Metropolitan Sewerage District
of Buncombe County

RESOLUTION

WHEREAS, the Board of the Metropolitan Sewerage District of Buncombe County, North Carolina, in regular meeting assembled on April 17, 1979, cognizant of the retirement from the Board of Mr. Larry McDevitt, an appointee of Buncombe County, desires to express its sentiments with regard to Mr. McDevitt's tenure as a member of this Board and its appreciation of his services to the District;

NOW, THEREFORE, BE IT RESOLVED by the Board of the Metropolitan Sewerage District of Buncombe County, North Carolina, that this Board hereby signifies its gratitude for the extraordinary services rendered by Mr. Larry McDevitt, not only as a member of the Board but particularly as a member of the Budget and Building Committees of the Board. He has unselfishly contributed of his time and legal expertise to the work of the Board and the community which it serves, for all of which the Board records hereby its thanks and appreciation.