

## METROPOLITAN SEWERAGE DISTRICT BOARD

## Special Called Meeting

August 2, 1983

A special called meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration Building at 2 p.m., Tuesday, August 2, 1983. The purpose of the meeting was to consider retaining consulting engineers' services for the design of MSD's hydroelectric facilities.

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

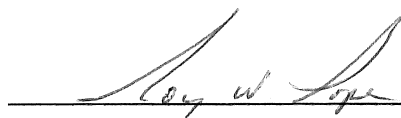
Mr. Boggs reported on the Hydroelectric Committee's meeting held on July 25, and the Board reviewed a memorandum to Mr. Mull from Mr. Stevens setting forth the procedure for obtaining proposals for consulting engineer services in accordance with EPA guidelines. Mr. Stevens' memorandum also described under what conditions the District's existing consulting engineers, Harry Hendon and Associates, Inc., could be utilized for the project.

Considerable discussion followed, during which it was generally agreed that

1. Retaining a firm other than Harry Hendon and Associates in accordance with federal guidelines would consume two to three months;
2. The Board needed additional information regarding the qualifications of Harry Hendon and Associates to perform the work;
3. The Board needed additional information regarding a cost breakdown of Harry Hendon and Associates' proposed contract;
4. The Board would require a confirmation from State and Federal regulatory agencies regarding the use of Harry Hendon and Associates for design of this project with respect to retaining MSD's eligibility for grant funds.

Mr. Dent moved that the Board have the Engineer-Manager contact Harry Hendon and Associates, Inc., and have them come before the Board with a proposal outlining their qualifications for engineering services to prepare construction plans and specifications for the hydroelectric facilities, the qualifications and experience of their engineers for this type work, and a cost breakdown as far as anticipated costs and any unexpected costs that may be involved to aid the MSD in making a decision for retaining consulting engineers' services for the design and construction of MSD's hydroelectric facilities. Mr. Boggs seconded the motion, and roll call vote was unanimous in favor of the motion.

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



Secretary

## METROPOLITAN SEWERAGE DISTRICT BOARD

August 16, 1983

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, August 16, 1983.

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

Consulting Engineers from Harry Hendon and Associates, Inc., attending the meeting were Messrs. A. B. Jowers, Dean Huber, Richard S. Woodruff, and Don Berryhill.

Mr. Dent moved that the minutes of the July 19 regular and August 2 special meetings stand approved as written, and Mr. Williams seconded the motion. Voice vote was unanimous in favor of the motion.

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

- a. Status report on Hominy Valley, South Buncombe, and Weaverville projects: Hominy Valley: Phases I and II are complete; Phase III is 97% complete, with a projected completion date of 8/31/83. South Buncombe: Phase I is complete; Phase II is 97% complete, with final inspection on part of the project scheduled for 8/17/83; Phase III is 23% complete, with all of SB-4 and SB-5 in the ground with mostly dress-up work left on these lines; Phase IV is yet to be bid. Weaverville is 41% complete but approximately six weeks behind schedule, with completion on time possible but not probable. This report was received as information by the Board.
- b. Right-of-Way Review Committee Report: Mr. Clark moved that the Board ratify this action authorizing the following for the South Buncombe project: Parcel #31-A, Martin Havens, up to \$6,000. Mrs. Sciara seconded the motion, and roll call vote was unanimous in favor of the motion.
- c. Consideration of Special Order by Consent for Main Plant: The awaited Order has not been received by the MSD, so it could not be considered by the Board at this meeting.

Mr. Mull reported to the Board a violation of the District's Ordinance, citing in particular an incidence on August 11, 1983, of intentional bypassing pre-treatment and discharging wastewaters directly into the sanitary sewer system. Samples collected and analyzed from two sources entering the sewer system at Blue Ridge Plating contained five heavy metal parameters exceeding the firm's permit limits of 1 mg/l: cadmium, chromium, copper, nickel, and zinc. Mr. Mull told the Board that there had been several meetings over the past year or so with Blue Ridge Plating in connection with previous violations. After discussion, Mrs. Sciara moved that the Board authorize Mr. Mull to issue a formal letter of enforcement to Blue Ridge, setting forth specific orders to be effective immediately. Mr. Warlick seconded the motion, and roll call vote was unanimous in favor of the motion.

Mr. Huber presented to the Board an amendment to HH&A's annual report dated April 15, 1983, to include a more specific recommendation with regard to the Craggy Dam Hydroelectric project, i.e., (1) that the project appears to be financially feasible, (2) that benefits to the District through avoided power costs and surplus power sales would result in a savings to the sewer users, (3) that the project is consistent with the upgrading and expansion of the Metropolitan Treatment plant, and (4) that anticipated costs associated with fish and wildlife protection and enhancement should not unreasonably effect the project feasibility. Based on this and the District's desire to expedite the project, the following was recommended:

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- 1) File an application for exemption from licensing with the Federal Energy Regulatory Commission (FERC) in accordance with FERC Order No. 106.
- 2) Proceed with the preparation of detailed plans and specifications for the project.
- 3) Proceed with preliminary planning for a bond issue.

This report was received as part of and made an amendment to Harry Hendon and Associates' annual report dated April 15, 1983.

Mr. Dent, Chairman of the Expansion Committee, reported to the Board regarding a meeting of the Committee on August 8 to consider alternatives for expanding the Main Treatment Plant. It was recommended by the Committee that the MSD drop the BAF system and go with the RBC (Rotating Biological Contactor) system, basing that recommendation primarily on cost figures for the two systems. A cost-effective analysis of the various options showed the following:

	<u>System*</u>	<u>Capital Costs</u>	<u>Present Worth</u> (Includes O&M)
1.	40 MGD Conventional Activated Sludge	\$ 25,394,700	\$ 35,243,480
2.	25 MGD Activated Sludge plus 15 MGD BAF	\$ 31,301,100	\$ 40,902,500
3.	20 MGD Activated Sludge plus 20 MGD BAF	\$ 35,685,900	\$ 44,959,890
4.	40 MGD RBC System	\$ 26,537,000	\$ 33,846,870

\*Does not include sludge handling and disposal alternatives which are still being reviewed.

Mr. Mull told the Board that the MSD now has a microscreen being tested at the Main Plant at no cost and that the RBC unit is being shipped next week and will go behind the microscreen. He also told the Board that a letter had been received from Eimco that stated in effect that they could not meet the original criteria for a treatment process as set up at the Main Plant.

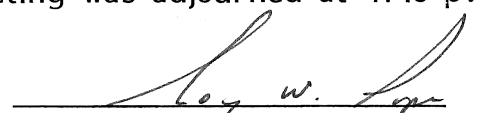
Mr. Dent moved that for the plant expansion of MSD that the BAF system be withdrawn and authorize the consulting engineers to proceed with the RBC system for the plant expansion to increase capacity to 40 MGD. Mr. Pope seconded the motion, and roll call vote was unanimous in favor of the motion.

Chairman Robinson confirmed his appointment of a Hydroelectric Committee, those members being Mr. Batts, Mr. Boggs, Mr. Dent, and Mrs. Sciara.

As a result of the Board's August 2 special meeting and pursuant to the Board's request, Harry Hendon and Associates, Inc., presented to the Board their qualifications for engineering services to prepare construction plans and specifications for the hydroelectric facilities, the qualifications and experience of their engineers for this type work, and a cost breakdown as far as anticipated costs and any unexpected costs that may be involved to aid the MSD in making a decision for retaining consulting engineers' services for the design and construction of MSD's proposed hydroelectric facilities. After a presentation by Mr. Huber and Mr. Woodruff, Mr. Boggs moved that the Board enter Executive Session for consideration of HH&A's qualifications as design engineers and construction supervisors for the proposed hydroelectric project. Mr. Williams seconded the motion, and voice vote was unanimous in favor of the motion. The Board entered Executive Session at 4:14 p.m.

At 4:30 p.m., Chairman Robinson declared the Executive Session concluded and reconvened the regular meeting. Mr. Boggs then moved that subject to such contract approval as may be applicable or required by the Environmental Protection Agency and subject to negotiation of a mutually satisfactory compensation arrangement between the engineering firm and the District and subject to approval of the form of a contract for engineering services by counsel for the District the firm of Harry Hendon and Associates, Inc., is selected as design engineers and as construction supervisors for the proposed hydroelectric project. Mr. Dent seconded the motion, and roll call vote was unanimous in favor of the motion.

Date of the next regular meeting of the MSD Board is scheduled for September 20, 1983. There being no further business, the meeting was adjourned at 4:45 p.m.

  
Secretary