



EAST NORRITON TOWNSHIP

EAST NORRITON TOWNSHIP  
SEWER BOARD

EAST NORRITON TOWNSHIP  
MUNICIPAL AUTHORITY

EAST NORRITON - PLYMOUTH JOINT  
SEWER AUTHORITY

EAST NORRITON - PLYMOUTH -  
WHITPAIN JOINT SEWER AUTHORITY

1957 - 2000

Prepared by Helmuth J. H. Baerwald, October, 2000.

## THE EAST NORRITON, PLYMOUTH, WHITPAIN JOINT SEWER AUTHORITY

*Authorities are governmental bodies created to finance and/or operate specific public works projects without tapping the general taxing powers of the municipality. Municipal Authorities in Pennsylvania, as in many other states, had their beginnings in the Depression of the 1930s. Pennsylvania was one of three states that passed general enabling legislation to allow their municipalities to create authorities. This was the Municipalities Authorities Act of 1935. The 1935 Act was repealed and replaced in 1945 by the present Municipality Authorities Act giving greater flexibility in operation and the type of bonds issued.*

*Approximately 200 municipal authorities were organized under these acts prior to 1951. In this year, the way was cleared for leaseback authorities by a decision of the Pennsylvania Supreme Court upholding the right of municipalities to sign long-term leases with authorities. This additional flexibility allowed authorities to borrow on the pledge of rental made by the municipality over the term of the bond issue. The municipality would operate the project with its own employees and use the revenues collected to make the lease rental payment to the authority.*

*The number of authorities formed annually peaked in the 1950s, but activity in the amount of bonds issued annually did not reach a peak until 1986. In the 1940s borrowings were heaviest for water authorities, in the 1950s and 1930s for school authorities and since 1975 for hospital authorities. Issuance of sewer debt has been important since 1950.*

*Although the local government plays a role in the creation of an authority and appoints the members of its board, the authority is not part of the municipal government. An authority is not the creature, agent or representative of the municipality, but is an independent agency of the Commonwealth. It is a public corporation engaged in the administration of civil government. An authority is a separate legal entity with power to incur debt, own property and finance its activities by means of user charges or lease rentals. An authority can be a financing agent for a capital project, an operating entity or both. Authorities finance a significant share of capital improvements.*

*Municipal Authorities are governed by a board whose members are appointed by the incorporating local government(s). The board members have overlapping five-year terms. Authority Boards may not consist of less than five members, and boards of joint authorities must contain at least one representative from each participating municipality. Allocation of representation on the board of a joint authority is agreed upon at the time the authority is created and is specified in the articles of incorporation. If an additional municipality later joins a authority, the articles of joinder must specify the representation of the new member municipality and any changes in the board membership allocation among the existing members.*

*The eligibility of members of a municipal governing bodies to serve on authority*

*boards had been an unsettled issue for some time. However in 1993, the Pennsylvania Supreme Court determined a township supervisor could legally serve on the board of a municipal authority created by the Township. This dual office holding did not violate the Second Class Township Code which limited the appointed offices supervisors could fill, because authorities are independent agencies of the Commonwealth and not part of the township government.*

*Active authority boards usually meet on a monthly basis. The day-to-day operation of the authority (project) is delegated to a manager who works within the policy framework set by the board. The board receives reports on the finances and operations of the authority from staff and consultants at its regular meetings. Members of boards of other authorities may receive salaries as set by the governing body of the appointing municipality.*

*Authority boards may create positions of officers for the authority, appoint members to officer positions and set officer salaries. There is no prohibition on board members voting for their own appointments to officer positions or their own salaries as officers. Board members may be covered by group life and disability insurance policies. They may not be included in any group coverage for hospital and/or medical benefits. They are not eligible for pensions.*

*The need for cooperation among officials of the municipality board along with the officers, agents and consultants of both entities is absolutely necessary. On the one hand, the municipality must remember the board is composed of qualified and competent citizens, giving of their time, effort, interest and talents toward accomplishing the authority's goals to serve the community. On the other hand, the authority board must realize it is not an entity unto itself. It was created by the municipality to provide a public service. The cost of that service is paid by the property owners (users of the service) within the authority's service area, and those property owners elect the officials who appoint the members of the authority board. Neither the municipality nor the authority can operate effectively within a vacuum. Open communication and willing cooperation between them is necessary to maintain the viability of the public services for the community.*

*Once an authority is created and its members appointed, a municipality has little direct control over the operations of the authority. The municipal governing body may specify the project or projects to be undertaken by the authority in its original ordinance initiating the incorporation process or by a subsequent ordinance. While the municipality may limit the projects an authority may undertake, it may not limit the powers designated in the Act that may be exercised in carrying out the project. Decisions as to the methods used to accomplish the project are entirely within the power of the authority board. Despite the fact that the authority has full control over the operation of its business affairs, the needs and desires of the municipality as expressed by its elected and appointed officials must be taken into consideration by the board.*

*Ordinarily, the amount of control exercised by a municipality over an authority is*

*strictly limited. If municipal officials are unhappy with an authority's operation they are limited to waiting for the opportunity to appointing persons sympathetic to their viewpoint on the authority board. Of course, as its ultimate weapon, the municipality always has the right to take over one or all of an authority's projects after assuming the related indebtedness. In 1998 there were 653 Sewer Authorities in the Commonwealth.*

Source: Excerpts taken from **Municipal Authorities in Pennsylvania 8<sup>th</sup> Edition** - Governor's Center for Local Government.

East Norriton Township and the East Norriton Township Municipal Authority entered into a Wastewater Treatment Service Agreement with Plymouth Township and the Plymouth Township Municipal Authority and Joint Sewer Authority on October 5, 1959. Whitpain Township was permitted to discharge effluent into the system by agreement dated November 21, 1966 between Whitpain Township, the Whitpain Township Sewer Authority and the above entities. After approximately two years of negotiations and discussions, Whitpain Township finally became a full member of the East Norriton, Plymouth, **Whitpain** Joint Sewer Authority in mid 1991. Three representatives from Whitpain were appointed to the Authority in August of 1991.

The East Norriton Township Board of Supervisors adopted Ordinance #29 on January 4, 1960 mandating connections to the public sewer system when it became available. This ordinance was amended in April 1969 by Ordinance # 57 which provided for fines and penalties for failing to connect to the sewer collection system. In March of 1960 the Board of Supervisors adopted Ordinance # 31 imposing sewer rentals/charges for use of the sewer and sewer system. The sewer charges for an average user then on a well was \$19.00 per quarter (\$11.10 for collection and \$7.90 for treatment).

*Sewer rentals/charges which have been in effect since 1.1.97 are \$66.69 per quarter or \$31.93 for collection which include a bond issue charge of \$13.50 and \$34.76 for treatment.*

To put some perspective on the cost projections at the time the report was issued in March 1958 I am providing those costs just as a comparison to the numbers we are discussing in this day and age. The projected bond issue to build the treatment plant (total average 24 hour sewage flow - 2.0 mgd -- peak flow 4.0 mgd) with an incinerator to serve East Norriton Township and Plymouth Valley was estimated at \$3.1 million. To operate and maintain the sewer system in East Norriton Township and the treatment plant then was estimated at an annual cost of \$46,200.00. The front foot assessment to install the sewer lines and build the system was estimated at \$5.68/ft.; connection fees were estimate at \$100.00 per connection and the average annual sewer rental as estimated at \$50.37.

Not much information is available here at the Township for the period from the early operation of the treatment plant to the mid to late 1970's. Whatever information we have available for that time period is very sparse with the exception of available ordinances or agreements or some references in the meeting minutes of the Board of Supervisors listed in this report.

Some discussions were held to create an operating sewer authority for the township in the early to mid 1970s, but nothing ever became of this proposal. However in 1974 through Ordinance #107, the Township created Sewer District #2 in East Norriton Township as a Sewer Service Area of the East Norriton Municipal Authority.

The East Norriton - Plymouth Joint Sewer Authority in addition to operating the treatment plant also maintained the sewer collection systems for East Norriton Township from the inception to the early 1980s. In East Norriton Township this arrangement ceased in late 1983 or early 1984 when the Township began the process of maintaining its own collection system. No information is available on the maintenance of Plymouth Township's system. Whitpain Township had its systems maintained by an operating authority created for that purpose

#### ENT Sewer Rental Charges - History

In 1974 East Norriton Township reduced the sewer collection rental rate (based on a non-metered user) from \$11.10 per quarter to \$7.77 per quarter and raised the sewer treatment rental rate from 7.90 per quarter to \$8.69 per quarter (Ordinance # 104 of May 14, 1974). The rates rose however in 1976 from \$7.77 (collection) to \$11.66 per quarter and from \$8.69 (treatment) to \$9.99 per quarter (Ordinance # 125 of May 18, 1976).

Through Ordinance # 143, adopted in June 27, 1978 the sewer rental treatment rates were raised from \$9.99 per quarter to \$11.50 per quarter effective July 1, 1978 and to \$17.25 per quarter effective January 1, 1981. The sewer collection rates remained stable at \$ 11.66 per quarter. On August 10, 1981, Ordinance # 159 was adopted increasing the sewer treatment rates from \$17.25 to \$21.56 per quarter. The sewer collection rates remained stable at \$11.66. On October 20, 1986 the Township adopted Ordinance # 237 which increased the sewer collection rates from \$11.66 to \$18.43 (the first increase in 10 years). The sewer collection rates remain unchanged to this date (August 1, 2000). On June 25, 1990, Ordinance # 287 was adopted increasing the sewer treatment rental rates from \$21.56 to \$25.87 per quarter. The sewer treatment rental rates were again increased from \$25.87 to \$27.19 through Ordinance # 333 on October 12, 1993 when the Township also added a "bond issue" charge of between \$12.53 per quarter effective March 31, 1994 which was reduced to \$11.24 per quarter effective June 30, 1995. On December 6, 1993, Ordinance # 338 was adopted raising the sewer treatment rental fees from \$27.19 to \$28.97. These sewer treatment rates were again increased through Ordinance # 374, adopted on January 6, 1997 from \$28.97 to the current \$34.76 per quarter. The rates which are listed in this section are based on **non metered users. The individual rates may fluctuate based on water consumption.** For a non metered water user, the sewer rental rates in effect at this writing are as follows: Sewage Collection Charge - \$18.43; Sewage Treatment Charge - \$34.76 and Bon Charge - \$13.50. Total sewer rental charges for a quarter = \$66.69.

## **East Norriton Township Board of Supervisor Meeting Minutes**

### **1957**

In early March of 1957, after being plagued with the continual failure of “on-lot systems”, then called INDIVIDUAL SEWAGE DISPOSAL SYSTEMS, the East Norriton Township Board of Supervisors created the **East Norriton Township Sewer Board**.

The Sewer Board’s task was to study the feasibility of a “public” sewer system. (ENT 1950 census population 2,987 - estimated 1960 population - 8,600).

On October 1, 1957 The Board of Supervisors adopted a resolution to have Glace & Glace Inc., to prepare a preliminary report on the feasibility for a Sewer System and Incinerator.

### **1958**

A report issued in March 1958, prepared by Glace & Glace, Inc. Consulting Engineers from Harrisburg, Pennsylvania concluded that “based on the costs, it would appear, that sewer service is feasible for East Norriton Township”. Interestingly enough a number of the options studied included the construction of a treatment plant in our Township, one next to the Stony Creek on the State Hospital farm lands below the Norris City Cemetery site, the other in the Saw Mill Run area. “The report deals primarily with the sewage system and treatment plant deemed necessary for the populated sections of the community, however, the study was expanded to consider the populated areas in adjoining Plymouth Township, since this will prove advantageous for East Norriton. The report also investigated and discussed advantages of the construction of an incinerator simultaneously with treatment works.”

On May 5, 1958 the report was formally presented to the Board of Supervisors at a public meeting.

On October 6, 1958 a report was given to the Board of Supervisors at a meeting with Borough officials to convey future sanitary sewer to the Borough of Norristown. Although an option was considered to convey future sanitary sewer to the Borough of Norristown, the report states that: “...it would appear that the sludge digestion facilities of this plant are now overloaded and in order to utilize the full design capacity of the plant, additional digestion facilities will be required. Unfortunately there are, at the present time, no interceptor sewers in the Borough of Norristown capable of conveying sewage from East Norriton Township.”

In reviewing another option the report went on to state: “In addition to the anticipated design population of East Norriton Township, additional population has been included in an alternate basis of design to include Plymouth Valley.

An actual house count of homes in Plymouth Valley indicated a present population of 3,000 and

it is anticipated that this population will reach 5,000 persons by the year 1982. Therefore the alternate basis of design, included in this report, has been based on an anticipated population of 25,000."

## 1959

At the meeting on January 5, 1959, the Board of Supervisors thanked the members of the Sewer Board for their fine work.

*At the meeting on March 10, 1959 the Board of Supervisors noted the 50<sup>th</sup> anniversary of the incorporation of East Norriton Township. "President" of the Board Stanbridge stated among other things that the Township's population had increased from 2,987 in 1950 to 7,342 in 1958.*

The Board then made appointments to the new Joint Sewer Authority and also extended the life of the ENT Municipal Authority. An ordinance creating the East Norriton, Plymouth Joint Authority was adopted at the March 26, 1959 meeting.

At the meeting on April 6, 1959 extensive discussion took place about the proposed sewer system and how to enact the appropriate legal mechanism to begin with the installation of sewers in the Township. Similar discussions took place at the meeting on May 4, 1959 and at the meeting on October 5, 1959 the Board of Supervisors adopted Ordinances # 27 & 28. Ordinance # 27 "approved the form of agreement among East Norriton - Plymouth Joint Sewer Authority and other entities....providing for the disposal and treatment of sewage.....Ordinance # 28 "creating Sewer District No.1, as the present sewer service area of East Norriton Township and the Municipal Authority.

## 1960

On January 4, 1960 the Board of Supervisors adopted Ordinance # 29 "requiring that all occupied buildings accessible to the sewer system in Sewer District 1 be connected to the sewer collection system".

A copy of the January 13, 1960 East Norriton - Plymouth Joint Sewer Authority meeting minutes is attached.

At a joint meeting with the East Norriton Municipal Authority on February 15, 1960 a preliminary financing plan was presented to construct the sanitary sewer system in the Township at a cost of \$ 2,100,000.00. The East Norriton Township Municipal Authority Bonds for \$2.1 million was awarded to Kidder, Peabody & Co., et al on February 17, 1960. Interestingly the Serial Revenue Term Bonds "will mature in 2000".

At the meeting on March 14, 1960 "due to an overflow of people attending the meeting, it

was agreed to move the meeting to Norriton Fire Engine Company House". After "all questions were answered....approximately twenty people remained for the business meeting". The Board of Supervisors then adopted Ordinances # 30, 31, and 32. Ordinance # 30 - Approving the report and plan for the construction of the sewer system and proposing to charge and assess a part of the cost of the construction of the sewers against the properties benefitted, improved/accommodated.

*Ordinance # 31 - Imposing Sewer Connection charges and also sewer rentals or charges for the use of the sewers and sewer system. Ordinance # 32 - Approving the proposed action by the East Norriton Township Municipal Authority to construct a complete sanitary sewer collection system.*

At a special meeting of the Board of Supervisors on April 5, 1960 a bid for the purchase of \$2.1 million East Norriton Municipal Authority Bonds was awarded to Kidder, Peabody & Co. at an average net interest cost of 4.411%. The members of the Board of Supervisors at that time were: H.K. Stanbridge, President, G.E. Wisler, Vice President, T.R. Streeper, Member.

The Township Secretary was C.V. Hurdle and the Solicitor was Ernest E. Heim, Esq. Members of the Municipal Authority were: Ralph O. Toberman, Chairman; Ben E. Melcher, Vice Chairman; Edmund R. Wernick, Secretary; Irving F. Angstadt, Treasurer; and William H. Endy, Asst. Secretary and Asst. Treasurer. The serial Revenue Term Bonds in the amount of \$760,000.00 were scheduled to mature in 2000.

On May 2, 1960 a Sewer Operating Fund of \$10,000.00 was started by the Township. On June 21, 1960 the Township was granted a permit by the County "to make openings in Germantown Pike for the installation of sanitary sewer". On January 1961 the Board of Supervisors adopted Ordinance # 35, the Plumbing Code.

## 1961

*The treatment plant was ultimately built at its present location in Plymouth Township and was finally put into operation in 1961. "The treatment then consisted of a Conventional High Rate Trickling Filter system with primary and secondary treatment. Sludge handling consisted of two-stage anaerobic digestion and dewatering using vacuum filtration. Filtered solids were disposed on site. In 1969 the plant capacity was doubled with the addition of a second Trickling Filter system. A second vacuum filter was added.*

*Sludge disposal was discontinued with the installation of an on-site sludge incinerator. Ash from the incinerator was disposed on site.*

Source: Excerpts from a glossy prepared by Hyder Engineers entitled East Norriton-Plymouth-Whitpain Joint Sewer Authority



*On September 13, 1961 the Board of Supervisors held a public hearing to consider the re-zoning of the N.W. corner parcel (26 acres) of Germantown Pike and Arch Road from AR-Residential to C-High Rise Apartments.*

On December 4, 1961 the Township's Sewer Operating Fund had grown to \$20,821.92.

## **1962**

On January 30, 1962 an Authority meeting was held on Sewer Assessments. Sewer Connection payments are received at a brisk pace through May 1962.

At the July 2, 1962 meeting the first reference is found as to our sewer operating system's interaction with the East Norriton - Plymouth Joint Sewer Authority. Mr. Fricker, Engineer of the Sewer Disposal Plant was to be contacted about planting shrubbery around the pumping station located at Norris City Avenue.

Also "considerable discussion took place as to the time limit on sewer connections". The Sewer Revenue account lists a bank balance of \$155,639.31 which includes \$100,000.00 in Treasury Bills due August 9, 1962.

At the August 6, 1962 meeting "it was agreed to bill all properties connected to the sewer system in the sewer area. They will be billed on a flat rate and if the connections are not made, then legal action will be taken".

## **1963**

At the January 7, 1963 meeting the Board of Supervisors accept the proposal from the East Norriton - Plymouth Joint Sewer Authority for the use of the "Rodding Machine" and the labor cost to be the same as the pumping stations @ \$2.75 per man hour, plus \$3.00 per hour for truck to tow rodder and have tools and light protection on jobs if at night.

At the April 19, 1963 meeting, Ordinance # 39 was adopted. "Approving the form of and authorizing the execution and delivery of an agreement of lease between the Township of East Norriton as Lessee, with the East Norriton Township Municipal Authority as Lessor of the Sewer System heretofore constructed by the Authority in and for Sewer District #1..."

At the November 4, 1963 meeting the Board of Supervisors accepted, with deep regret, the resignation of Mr. Ralph Toberman from the East Norriton Municipal Sewer Authority effective December 31, 1963.

## 1964

At the reorganization meeting on January 6, 1964 Elmer Maul is appointed for a term of five years to East Norriton - Plymouth Joint Sewer Authority. At that meeting the Board approved payment to the Joint Authority at the rate of \$3.00 per truck hour (36 hours) and \$2.75 per man hour (72 hours) and incidental supplies for the maintenance of the Township's sewer system.

Attached is a copy of the minutes of the Joint Authority Meeting held on January 8, 1964.

*At the meeting of March 9, 1964 the Board of Supervisors adopted the Township's budget as follows:*

<i>General Fund:</i>	<i>\$115,662.54</i>
<i>Highway Aid:</i>	<i>\$ 31,338.68</i>
<i>Street Lights:</i>	<i>\$ 2,985.07</i>
<i>Fire Protection:</i>	<i>\$ 19,006.86</i>

At the meeting of March 16, 1964 the Board of Supervisors adopted a resolution to complete the refinancing of certain bonds of the East Norriton - Plymouth Joint Sewer Authority.

At the meeting of April 6, 1964 Solicitor Heim requested permission to file liens on all sewer payment delinquencies.

*A Public Hearing is held on "Morse Farms - Scott Brothers" on April 29, 1964.*

At the meeting on May 25, 1964 the Board of Supervisors hear a report from Albright & Friel, P.E. on a feasibility study covering the un-sewered areas in the Township.

## 1965

At the reorganization meeting of January 4, 1965, the Solicitor was directed to negotiate with Norriton East Apartments, General DeKalb Inn and Provident Indemnity to install their sewer system and connect to the Township system.

*At the April 5, 1965 meeting the Board of Supervisors hear a report of "drag racing" on the Swede Square property.*

At the May 3, 1965 meeting the Solicitor (Heim) reports on the preparation of a supplemental agreement with Handy & Harmon to dedicate the gravity sewer system to East Norriton Township.

The last sewer connection in the Penn Square Village is made (3011 Stony Creek Road).

At the July 12, 1965 meeting the Handy & Harmon gravity sewer line is turned over to the Township.

*At the December 6, 1965 meeting Supervisor Henry K. Stanbridge is honored for his 18 years as a Township Supervisor.*

## **1966**

At the meeting of March 7, 1966 the Board of Supervisors hear a report that the Sewage Disposal plant is overtaxed.

At the meeting of May 2, 1966 the Board of Supervisors authorize the preparation of an agreement with the Water Company for the shut off of water for sewer payment delinquencies.

At the meeting of July 11, 1966 Attorney Jim Hollinger is appointed to the Township Municipal Authority.

At the meeting of August 1, 1966 the Board of Supervisors reviews the Township's Sewage Facilities Plan.

At the meeting of December 5, 1966 the Board of Supervisors approves an agreement with the Water Company on water shut off for sewer delinquencies subject to the PUC.

## **1967**

At the meeting of January 9, 1967 the Board of Supervisors warned contractors and home- owners of a fine of up to \$300 for connecting cellar drains and sump pumps to the sewer system.

At the meeting of February 6, 1967 Albright & Friel, P.E. advised the Board of Supervisors that the pumping stations are adequate to handle an additional subdivision (Potshop & Woodland - 99 lots).

At the meeting of April 3, 1967 there is a discussion about adding a new pumping station to service new homes.....

At the meeting of May 1, 1967 there is a discussion about a Pumping Station and force main and the Hobby Horse Farms developer.

At a Special meeting of May 15, 1967 there is a discussion on the lack of completion of a pumping station and force main (Seltzer development).

At the meeting of May 22, 1967 the Board of Supervisors reduced the sewer rates.

At the meeting of August 7, 1967 the Supervisors hear a complaint from (Flack) about sewage leaking out of a holding tank from Gambone coming down the creek. There is a report of problems with Sewers in the new Norriton Woods development. The Employee Pension fund is created.

*At the September 11, 1967 meeting the Supervisors approve the Toll Gate Farms development.*

At the meeting of October 2, 1967 additional pumps are approved for Stations # 1 & # 2 and an agreement with PECO is approved for power at the Germantown station.

At a special meeting of October 14, 1967 the Supervisors hear about sewage problems at the Trotters Hill development. The sewer problem at Hanover Lane is to be corrected by the builder.

## **1968**

At the meeting of May 13, 1968 the Board of Supervisors grant final approval of Tollgate Farms (19 lots on Germantown Pike abutting Hobby Horse Farms). John Flack registers a complaint against Pa. Corp. of Florida and Amherst Construction for damage to the interceptor and pumping station which services Hobby Horse, Seltzer and Norriton Woods and the high pressure line on Germantown Pike.

*At the meeting of June 10, 1968 the Board of Supervisors formally oppose the ending of farm operations at the Norristown State Hospital Farm property.*

At the meeting of August 1, 1968 the Board of Supervisors pass a Resolution taking the Joint Sewer Authority to task for failing to notify the Township of a proposed treatment plant expansion and having to raise the sewer rates by 30% to facilitate the expansion which they knew nothing about. (Copies of these minutes are attached.)

## **1969**

At the meeting of April 14, 1969 the Board of Supervisors adopt Ordinance # 57, amending Ordinance # 29 requiring connection to the public sewer system.

At the meeting of December 29, 1969 the Board of Supervisors accept dedication of the

pumping station, force main, interceptors and lines servicing Woodland Avenue, Hayes Road, Sunset Avenue, Kelly Drive, Pierce Road, Kennedy Road, Polk Road and Eisenhower Drive.

## 1970

NADA

## 1971

At the March 8, 1971 meeting the Board of Supervisors appoint Ray Geary to the Joint Sewer Authority.

At the April 12, 1971 meeting the Board of Supervisors discuss the problems with the Township's sewers. They speak about the infiltration at our plant running at approximately 2 million gallons per day. They state: "Unless the cause can be determined and eliminated, we will have to build a new plant which will cost \$5 million. Our present sewer rental cost will be tripled".

At the meeting of June 14, 1971 the Board of Supervisors (Mr. McKernan) state(s) that "in all probability we will have to build a new plant. One of the chief reasons is people having sump pumps connected to the sewer line. If one has a sump pump beside the laundry tub with a hose emptying into the laundry tub, he is subject a \$300.00 fine. If this exists in your home, please disconnect it and put it out of the window where it should be".

*At the meeting of August 16, 1971 the Board of Supervisors appoint William J. Richardson as the Township's Secretary Treasurer.*

*At the meeting of September 20, 1971 the Board of Supervisors adopt Ordinance # 73, the Township Manager's ordinance and appoint William Richardson to the position created by the ordinance.*

At the meeting of October 11, 1971 the issue of the infiltration into the sewer system is again discussed at length by the Board of Supervisor. Mr. McKernan stated that: "if we can't solve the problem on infiltration by either getting rid of the sump pump connections, the down spouts and other problems that are wrong, such as broken pipes, bad connections in the street, etc., it is probably going to cost about \$5 million to build a new plant or an addition to the present one of which East Norriton will have to pay its share".

At the meeting of December 13, 1971 the Board of Supervisors adopt Resolution # 723, a resolution adopting plan for sewage systems servicing East Norriton Township (Act 537) prepared by F.X. Ball, P.E.

## 1972

At the August 8, 1972 meeting the Board of Supervisors open Sewer TV Inspection Bids.

At the September 2, 1972 meeting the TV Inspection bids are awarded to Video Pipe Grouting Inc. for \$112,547.50 with funding to be requested from the Township's Municipal Authority.

## 1973

At the June 12, 1973 meeting the Board of Supervisors authorize the advertisement of bids for sanitary sewer dig ups and sewer pipe replacements found by the closed circuit inspection. The bids are opened at the meeting of July 10, 1973 and are awarded to Calamia Brothers, Contractors, Inc. for \$121,145.70 contingent upon the availability of sufficient funds from the sewer revenue account and other sources to cover the contract.

*At the meeting of December 11, 1973 the Board of Supervisors honor Fritz H. Ahlfeld for his service on the Board of Supervisors from January 1968 to December 1973. The Board also accepts the resignation of William J. Richardson as the Township Manager effective January 4, 1974.*

## 1974

*At the meeting of January 7, 1974 the Supervisors were Messrs. McKernan, Mirabile and Oliver. Douglas J. Moyer was appointed as Acting Township Manager. The Board ratified the "emergency shoring" of Stony Creek at Norris City Avenue.*

*At the meeting of February 12, 1974 the Board of Supervisors adopted Ordinance #102 adding two members to the Planning Commission from seven members to nine.*

At the meeting of April 9, 1974 the Board of Supervisors appointed William J. Richardson again as the Township Manager.

At the meeting of April 20, 1974 the Board of Supervisors adopted Resolution # 789 to increase the sewer treatment rates by 10% effective April 1, 1974.

*The Board also gave notification that the question had been approved for the ballot to increase the size of the Board of Supervisors from three members to five.*

At the meeting of May 14, 1974 the Board of Supervisors opened bids to construct storm drainage facilities in the area of Taft and Independence Roads. At the meeting of June 11, 1974

the bid was awarded for this work to Penn Wells Construction Co. for \$48,838.00. Sewer District #2 was created by Ordinance # 107.

*At the meeting of July 9, the Board of Supervisors opened bids for storm drainage work in Penn Square Village.*

At the meeting of August 13, 1974 these bids were awarded. A motion was made at the meeting to uphold the primary election results on the question of not increasing the membership of the Board of Supervisors. The Township's Sewage Facilities Plan was adopted by Resolution # 796.

At the meeting of October 15, 1974, the Board of Supervisors adopted Resolution # 793, The Valley Forge Medical Center Sanitary Sewer System to be included with the West End Sewers. Woodstream Crossing was reported to have storm drainage problems.

*At the meeting of October 29, 1974 the Auditors recommended that the Board of Supervisors appoint a Pension Committee.*

*At the meeting of November 12, 1974 the Board of Supervisors received a petition to have an independent auditing firm be appointed.*

## **1975**

At the meeting of January 28, 1975 the Board of Supervisors reviewed a letter from the DER about a 14 day deadline on the extensions for the developments of Woodland Manor, Sunset Knoll, GBS Realty and the Singer tract.

At the meeting of February 25, 1975 the Board of Supervisors heard about storm drainage problems at Brambling Lane and Woodland Avenue. The DER also wanted a commitment from the Township on the upgrade of Pumping Station #2 (Norris City) and the Saw Mill Run Pumping Station.

At the meeting of March 18, 1975 the Board of Supervisors were briefed by the Township Engineer on a five hour meeting on March 14, 1975 with the PA DER concerning the elimination of the sanitary sewer overflow at the Saw Mill run Pumping Station. After the report a motion was approved that no building permits involving a connection to the sewer line be issued until DER completes a review and evaluation of potential user data concerning the Saw Mill Run Pumping Station.

At the meeting of March 25, 1975 the above motion was affirmed even though a modification was requested to allow connection for single family dwellings.

At the meeting of April 1, 1975 and April 22, 1975 the Board of Supervisors reviewed

drainage problems at the Jefferson House and the Wynn property at the Stony Creek on the south side of Germantown Pike

At the meeting of April 29, 1975 the Board was briefed on DER's requirements for the updating of the Saw Mill Run Pumping Station before DER would issue our sewer applications for sanitary sewer extensions.

The following courses of actions were to be considered: (1) send the current overflow to the Norristown System bypassing the Saw Mill Run Pumping Station; (2) building the Saw Mill Run Pumping Station larger; and (3) installing an additional pump to handle excess capacity at the Saw Mill Run Pumping Station.

At the meeting of May 13, 1975 the Township Engineer briefed the Board of Supervisors on the DER requirements before DER would issue sanitary sewer extension permits for the following "projects": Sunset Knoll; Woodland Manor; Keenan Construction; GBS Realty; and the Gambone Brothers Whitehall Road projects. (See the attached copies of those meeting minutes)

At the meeting of June 10, 1975 the Township Engineer briefed the Board of Supervisors on Phase II of the Sanitary Sewer Collection System Infiltration and Inflow Study.

At the meeting of July 8, 1975 the Board of Supervisors authorized the necessary expenditure of funds to F.X. Ball in the amount of \$7,000.00 to complete Phase II of the Infiltration and Inflow Study.

At the meeting of August 12, 1975, Mr. McKernan briefed the Board of Supervisors on a commitment by DER to expedite our application for the upgrading of the Saw Mill Run Pumping Station.

At the meeting of August 19, 1975 the Board of Supervisors received a petition from five residents on West Germantown Pike between Sunset Avenue and Burnside Avenue requesting public sewers.

At the meeting of September 16, 1975 the Board of Supervisors reviewed a sewer line construction cost estimate to service the five West Germantown Pike properties.

At the meeting of September 16, 1975 Mr. Oliver stated that he had asked the Solicitor to look into the possibility or feasibility of East Norriton opting out of the Norristown Area School District and joining another school district.

At the meeting of September 23, 1975 the Board of Supervisors had a lengthy discussion on opting out of the Norristown Area School District and asked the Tax Collector Mr. Hogan to acquire names of any residents who are interested in serving on a fact finding committee.



At the meeting of October 7, 1975 the Board of Supervisors reviewed the funding for the installation of the Sanitary Sewer Interceptor line on West Germantown Pike. Funding for this line was to come from the following developments: Keenan; Larac; James; Woodstream; G.B.S. and Gambone (Whitehall Road).

At the meeting of December 9, 1975 the Board of Supervisors requested the Township Manager to contact Mr. Heiligman, Chairman of the East Norriton - Plymouth Joint Sewer Authority to assure that East Norriton Township is represented at an EPA meeting on December 18, 1975 in Philadelphia to determine the detrimental effects of the existing Saw Mill Run Pumping Station.

At the meeting of December 30, 1975 the Board of Supervisors reviewed a report from the Township Engineer on a proposal required by the EPA for a house to house search. The Township Engineer is asked to approach the East Norriton Municipal Authority to request funding for East Norriton Township's share of the study. Plymouth and Whitpain indicate that they will each fund their portion of the study by Betz Environmental Engineers.

#### **1976**

At the meeting of March 9, 1976 the Board of Supervisors were briefed by the Solicitor on the ground rules to be used in the current EPA ban on sanitary sewer hookups because of the inadequacy of the Saw Mill Run Pumping Station. One consideration was the possible adoption of a "holding tank ordinance".

At the meeting of May 4, 1976 the Board of Supervisors adopted Ordinance # 124 permitting and regulating the use of holding tanks during the current EPA ban on sanitary sewer hookups for certain residential sanitary and sewage purposes in East Norriton Township.

At the meeting of May 11, 1976 the Board of Supervisors reviewed a request from the East Norriton - Plymouth Joint Sewer Authority contained in the proposed Ordinance #125 to increase sewer treatment charges by 15% and the collection charges by 50%.

At the meeting of May 18, 1976 the Board of Supervisors denied a request from Developer's Diversified to permit the completed K-Mart to tie into the sewer system, The Board instructed Mr. Richardson to write a letter to the developer denying the request.

**No minutes have been located, nor were any transcribed for the period after May 18, 1976 to January 7, 1980.**

Mr. William J. Richardson, Jr. was not reappointed to the post of Township Manager in 1980. Douglas J. Moyer served as Acting Manager until January 22, 1980 when the Board

appointed Edward E. Jutrzenka, Jr. as the new Township Manager.

## **1980**

At the January 7, 1980 meeting Mr. Harold A. Heiligman retires after twenty three years as a member of the East Norriton Sewer Authority and East Norriton - Plymouth Joint Sewer Authority from March 12, 1957 to December 31, 1979.

January 22, 1980

A status report on the Whitehall Road Sewer project is provided by the Township Engineer.

February 5, 1980

Mr. Jutrzenka is appointed as the new Township Manager.

February 19, 1980

Handy Harmon Pumping Station & financing Whitehall Road Sewer project.

March 3, 1980

Mr. Hollinger provides a status report on the treatment plant expansion and hiring 6 additional personnel for the Authority. Also that there is a request that the treatment charge increase of 50% be moved up from January 1981 to October 1, 1980. Additional I & I studies are recommended. There is discussion about financing for the Whitehall Sewer project and about possibly turning over the township's sewer system to the Authority who would then own it and lease it back to the Township. The Board had previously not been in favor of this proposal.

March 17, 1980

*Mr. Pytel is appointed as the Zoning/Code Enforcement Officer.*

March 31, 1980

*Mr. Saydah asks that the Township consider acquiring lands from the State Hospital for the proposed Township Building.*

April 21, 1980

The Whitehall Road Sewer project is discussed.

May 19, 1980

*James J. Cotter is appointed as the new Police Chief. The Township's dismal pension*

*investments performance is reviewed.* Ross K. Brandt is appointed to the East Norriton - Plymouth Joint Sewer Authority.

June 2, 1980

The Whitehall Road Sewer project is reviewed. Sewer rental invoice delinquencies are reviewed by the Board.

June 16, 1980

***The Board adopts Resolution # 926 to acquire about 25 acres of land from the Commonwealth for the Township Building.***

June 23, 1980

Financing for the Whitehall Road Sewer project is reviewed. Total estimated construction cost is \$765,000.00.

July 13, 1980

This was a special meeting on the Whitehall Road Sewer project and its financing.

July 21, 1980

The Sewer budget is reviewed. The payments of surplus funds to the Authority is contested.

August 11, 1980

Mr. Baerwald is appointed as the new Township Manager replacing Mr. Edward E. Jutrzenka, Jr.

September 15, 1980

*The Township authorizes a 5 year note with American Bank to pay off the Fire Company 11 year mortgage on the fire house at a reduced and fixed interest rate.*

September 29, 1980

The Board of Supervisors heard a report from Mr. Bud Fricker on the Saw Mill Run Pumping Station. Specifically the problems with odor at the station which was occurring during dry weather. Mr. Fricker stated that more chlorine, more rain and cooler weather will help to resolve the problem. There was discussion about the problems with the Schultz Road pumping

station. A report was given on the pension plans.

October 20, 1980

*Norman Milnes is appointed to the position of Road Superintendent.*

October 27, 1980

*Theodore J. Speaker is appointed to the position of Zoning/Code Enforcement Officer.*

November 10, 1980

The Board of Supervisors review the Bond Indenture and Lease for the Sewer system.

November 17, 1980

The Solicitor reports that the Township can incorporate the whole township sewer system into Sewer District # 1.

November 24, 1980

The Solicitor reports that he has completed an Ordinance for the Sewer District.

## **1981**

March 16, 1981

Advertisement for the Sewer District Ordinance is authorized. The issue of the Adult book store fines is reviewed.

April 20, 1981

There was a lengthy discussion with Mr. Hollinger about another increase in the sewer treatment charges. A recommendation is made that an ad hoc committee be set up with representatives from all three participating townships to get familiar with the operations of the Authority. Ordinance # 158 creating one sewer district for the Township is adopted.

May 18, 1981

F.X. Ball, P.E. provides a report on the status of the Whitehall Sewer project design and bidding documents. The Board of Supervisors review the Joint Authority's proposed 25% rate increase for treatment charges.

June 3, 1981

The Board authorizes advertising the ordinance for the sewer rental charges increase.

June 22, 1981

The Board of Supervisors consider adopting the sewer rate increase ordinance but then defer action until additional information is received from the Joint Authority.

July 13, 1981

The Board of Supervisors table action on the sewer rate increase ordinance and direct the Township Manager to request the attendance of Mr. Geary, Chairman of the Joint Sewer Authority at the July 20, 1981 meeting. The Township's sewer operating budget of \$816,418.00 is adopted. Mr. Brandt spoke about the sewer treatment charges increase and was advised that the Supervisors would like to hear from Mr. Geary at the next meeting. There was considerable discussion about the way in which the Authority had presented the rate increase request.

July 20, 1981

The Whitehall Road Sewer project bids were referred to the appropriate township officials for review and recommendation. Mr. Geary spoke about the proposed sewer rate increase requested by the Joint Authority and explained why the Authority was requesting it. Mr. Brandt also spoke about the proposed increase.

August 10, 1981

The Board of Supervisors reluctantly adopt Ordinance # 159 increasing the sewer treatment rental charges. Bids were opened for the Sewer pumping station and other construction requirements for the Whitehall Road Sewer project. The Board of Supervisors state that they wish to get more involved in what the Authority is doing. There is considerable discussion about the financing of the Whitehall Road Sewer project costs.

August 24, 1981

The Board of Supervisors meet with the representatives of the Township's Municipal Authority to review which entity would be responsible for financing the non assessable costs of the Whitehall Road Sewer project.

September 14, 1981

Mr. Hollinger reports that the Municipal Authority has agreed to funding non assessable costs of the Whitehall Road sewer project with its bond redemption and improvement funds. Mr.

Saydah reports that after two years of long negotiations the Township has acquired a 23.5 acre parcel of land from the Commonwealth for the municipal complex. The method of assessing the costs of the Whitehall Road Sewer project was discussed at length. Upon resolution of all the issues authorization is then given to implement the project.

September 21, 1981

Bids for the construction of the Whitehall Road Sewer project are awarded. A loan ordinance for the project, totaling \$500,000.00 is authorized for advertisement. Emergency repairs to the Township's sewer pumping stations was discussed and authorized.

October 19, 1981

The Whitehall Road Sewer Project Loan Ordinance for \$500,000.00 is adopted.

December 21, 1981

The Board of Supervisors formally authorize the Whitehall Road Sewer project by adopting Resolution # 961.

## **1982**

February 10, 1982

*The Board of Supervisors review preliminary plans for the construction of a township building at the newly acquired land from the Commonwealth on Stanbridge Street. They also review the status of the Whitehall Road Sewer project.*

March 26, 1982

The Board of Supervisors reviewed a request from Whitpain Township on a proposed sewer extension from Worcester Township. Some incidentals on the Whitehall Road Sewer project are reviewed and discussed.

April 26, 1982

The Board of Supervisors review the preliminary 9 month Sewer Revenue budget which was established to come in line with the township's fiscal year. Thereafter the Sewer Revenue fund budget runs concurrently with the township's fiscal year.

May 10, 1982

A meeting is scheduled with the Joint Sewer Authority to review the proposal to extend

sewer connections to Worcester Township

**1983**

August 15, 1983 - Inflow and Infiltration and Sewer Maintenance Department

November 14, 1983 - Sewer Maintenance Department Budget

**1984**

April 23, 1984 - Inflow and Infiltration

May 21, 1984 - Sewer Worker

June 11, 1984 - Infiltration and Inflow. Tanglewood Development

August 13, 1984 - F.X. Ball Report - Bob Turner re Sewer System

September 17, 1984 - Sewer Report due - F.X. Ball absent

October 15, 1984 - West End Sewer Report

November 9, 1984 - Sewer Budget Report

December 7, 1984 - *14<sup>th</sup> year - no tax increase.* Reese and Weaver Pumping Station Maintenance Contract authorized for the period 2.19.85 - 1.31.87.

**1985**

April 1, 1985 - Status on Sewer Pumping Station Repairs

May 20, 1985 - Status on Sewer Pumping Station Repairs

August 1985 - Sewer Pumping Station Odors. See also 1983.

September 16, 1985 - Sandra Lane Major Pumping Station Repairs

October 8, 1985 - Stony Creek Channel Repairs (Woodland/Taft)

December 9, 1985 - Sewer Moratorium as of December 16, 1985 on all development until pump stations are reviewed.

## 1986

January 6, 1986 - Pollution and fine from DEP (\$4,110. & \$2,550.) Possible sabotage to Norris City Station.

January 13, 1986 - Special Meeting re Sandra Lane Pumping Station and Station Alarm System.

March 17, 1986 - Sandra Lane Pumping Station low Bid \$74,488.00

April 14, 1986 (?) - Sandra Lane Pumping Station Bids rejected to re-advertise.

August 18, 1986 - Infiltration & Inflow Study

## 1987

Early 1987 - Taft Road interceptor - Overflows

April 6, 1987 - West End Sewer Report

April 27, 1987 - Update West End Sewer Report

May 11, 1987 - Meeting with developers re West End Sewer Report

September 21, 1987 - Resolution # 1151 - Pumping Stations

October 19, 1987 - *Swede Square Storm Drainage*

November 9, 1987 - Reese & Weaver Pumping Station Maintenance Contract 9.1.87 - 8.31.88.

November 16, 1987 - \$ 5,000. *Contribution Offer from Genuardi for Storm Drainage, Swede Square*

## 1988

March 28, 1988 - Atty. Kaplan letter re West End Sewer

June 1988 - ENPWJSA - Authority Capital Improvement Fee (\$1,000.) effective July 1, 1988. *Bob Blue, PE is appointed Township Engineer.*

June 13, 1988 - DER letter on Agenda at July 18, 1988 Meeting



July 18, 1988 - DER Letter

August 1, 1988 - Taft Road Interceptor

August 29, 1988 - West End Sewer. *Mrs. Mobley, Butchers Lane appears at meeting re storm drainage erosion - Engineer to review and report.*

October 3, 1988 - West End Sewer

October 24, 1988 - Meters at Sewer Pumping Stations.

November 21, 1988 - West End Sewer

November 28, 1988 - DER Grant for Infiltration & Inflow

### **1989**

January 30, 1989 - DER Grant for Infiltration & Inflow - *Bob Blue re Mobley Drainage*

February 27, 1989 - Infiltration & Inflow Letter from Bob Blue

March 27, 1989 - Sewer Tving Bids

May 8, 1989 - Infiltration & Inflow Study. Bruce Shoupe is hired as the Public Works Director.

May 22, 1989 - Infiltration & Inflow Taft Road

June 5, 1989 - Sewer Line Taft Road

July 24, 1989 - *Mobley Drainage*

August 14, 1989 - Cracked Sewer line - Woodland & Taft to Germantown

August 28, 1989 - West End Sewer Invite Developers - *Mrs. Mobley agrees to pay 50% of storm erosion work in writing w. Bruce.*

September 25, 1989 - Insituform slip liner presentation

September 26, 1989 - Infiltration & Inflow Lawnton Road sewer line repair

October 23, 1989 - The Board of Supervisors request an comprehensive report on the entire sewer system.

November 30, 1989 - The Reese & Weaver Pumping Station Maintenance Contract  
12.1.89 - 11.30.91 is awarded

December 4, 1989 - A report from the Public Works Director on Infiltration & Inflow and RFP (request for proposals) to evaluate the whole sewer system is reviewed.

## **1990**

January 22, 1990 - West End Sewer Meeting

February 5, 1990 - Insituform (slip lining broken sewer pipes is reviewed. Vandalism at the Mill Road Sewer Line costs (\$11,000) to repair.

February 24, 1990 - Insituform - Patent dispute --- I & I Study recoup 50% from DER as grant.

April 2, 1990 - Sewer System Evaluation awarded to PSC Engineer for \$122,150.00

July 16, 1990 - *Agreement with Tornetta re Industrial Park - West End Sewer*

July 30, 1990 - Presentation by PSC on Executive Summary of Sewer System Evaluation  
- Report deadline extended to 12.19.90

November 5, 1990 - PSC Sewer System Evaluation Report

November 26, 1990 - Report on Township Sewer Evaluation

December 3, 1990 - PSC formally presents Township Sewer System Evaluation Report -  
Estimated Rehabilitation Cost = \$4.8 million

December 17, 1990 - *Facenda Whitaker Water Problem (Minutes page 33)*

## **1991**

January 24, 1991

The three Township Managers (Baerwald, Lieberman and Mower) meet with representatives of the Joint Sewer authority to discuss the hiring process of a Superintendent for the treatment plant.

January 28, 1991

The Board of Supervisors authorizes TM to investigate Bond Issue for Sewer System Rehabilitation.

February 5, 1991

A meeting is held with representatives of the Township and the Joint Sewer Authority to discuss a whole range of issues about the Joint Sewer Authority, the condition of the sewer treatment plant, a job description for the Superintendent of the treatment plant, labor conditions at the treatment plant, different union issues, the possible hiring of a business manager, the engineering costs, the possibility of the Township Managers becoming members of the Authority. Sewer rates would be based on sewage flow from the municipalities and an expansion of the plant would be limited to ground currently available to possibly facilitate flow from Worcester Township.

February 9, 1991

A candidate interview for the position of Superintendent of the Joint Sewer Authority Treatment Plant is held at East Norriton Township. Interviewing the candidate, George Pfeiffer were Messrs. Baerwald, Brandt, Geary and Sciambi.

February 11, 1991

The Board of Supervisors hold a meeting with the Township's representatives on the Joint Sewer Authority (Messrs. Brandt, Geary, Maul). The position of plant manager was reviewed. Representation on the Joint Authority was discussed to include the Township Managers. Because there was no agreement on the number of representatives to be appointed to the Authority Board (appointing the Township Managers would have meant to have each community have four representatives on the Authority or possibly have the junior member on the Authority resign to make room for the Township Manager appointment). It was recommended that the Authority should have one Solicitor instead of two. Plymouth Township Council has requested a meeting between the Managers of each Township (East Norriton, Plymouth, Whitpain) and one elected official from each municipality.

February 25, 1991

East Norriton Township has a bid Opening for Tving & Grouting of its sewer lines.

March 11, 1991

Bid Award for Tving & Grouting to Tri State Grouting of Middletown. Delaware initially for \$63,340.00. A petition is presented to the Board of Supervisors to consider requesting the Board of Supervisors to begin proceedings to re-zone all the residential properties on Dekalb Pike from Johnson Highway to St. Patrick's cemetery to professional office use.

March 25, 1991

The Board of Supervisors review the "Sump Pump" letter to the residents.

March 26, 1991

Special Meeting on the West End Sewers with developers.

April 29, 1991

Status Report on the Tving & Grouting project and financing scenarios on the Sewer System rehabilitation project.

April 30, 1991

The Township receives a letter from the Joint Authority that Mr. Julian Shafer is no longer employed with the Authority and that Robert Zinda has been appointed to the position of Superintendent.

May 28, 1991

Status Report on the Tving & Grouting project. Special Meeting is scheduled for interviews with engineering firms for the preliminary engineering study of the sewer system evaluation.

June 12, 1991

The Co-Solicitors (Fernandez and Hollinger) write a letter to Mr. Geary, Chairman of the ENPJSA explaining why they should continue to serve as Solicitors of the Joint Authority.

June 14, 1991

Resolution # 1341 is adopted establishing the sewer tapping fee of \$ 3,260.00 according to Act 203.

June 24, 1991

Status Report on the Tving & Grouting project. Approximately 33,000 linear feet of pipe have been televised to date. Failure rate of the pipe joints is around 18%. A five year capital plan for the Township's sewer system is reviewed. There is a discussion of a Post Office in ENT.

July 29, 1991

The Sewer tv-ing contract is reviewed. Approximately 43,072 linear feet of pipe have been televised; 9,201 joints were pressure tested of which 1,892 failed. Seven pick up trucks of debris is removed from the interceptor line directly preceding the Norris City Avenue Pumping Station. The Pacer Lane manhole no longer overflows, but the Norris City Avenue station surcharges. It appears that the current pumping capacity cannot overcome the pressure of the effluent during storms. The Board of Supervisors schedule interviews with engineering firms to do the preliminary engineering of the rehabilitation of our sewer system.

August 7, 1991

Whitpain Township writes a letter to Mr. Geary, Chairman of the ENPJSA that Whitpain's Board of Supervisors has appointed Ms. Lieberman and Messrs. Coyne and McBrien as Whitpain's representatives on the Joint Authority

August 26, 1991

The Board of Supervisors authorize an extension of the sewer tv-ing and grouting contract for an additional 75,000 lineal feet at the awarded contract price.

September 4, 1991

The Board of Supervisors authorizes a letter to DER on the Township's I&I work and to request a meeting for the possible release of some EDUs.

September 23, 1991

A report is given that approximately 68,145 linear feet of sewer pipe have been tv-ed; 14,976 joints were pressure tested and of those 4,248 failed. Tv-ing of 18" sewer mains is authorized under the contract subject to approval by the Solicitor.

October 7, 1991

The Board of Supervisors approve a resolution incorporating Whitpain Township in the name of the Joint Authority. The Joint Sewer Authority sewage treatment agreement is reviewed with the initial reserve allocation for each participating township.

October 28, 1991

A report is given that 70,078 linear feet of sewer pipe has been televised; 15,452 joints have been pressure tested and of those 4,443 had failed. An estimated 118,350 gallons of I & I

has been removed.

The Board of Supervisors authorize solicitations from bond houses and bond counsels. The Board of Supervisors discuss a five-year plan for the repair of sidewalk and curbing throughout the Township.

November 18, 1991

The Board of Supervisors review a proposal for a bond issue. The Township Manager is appointed as a liaison on all matters dealing with the Joint Sewer Authority Sewage Treatment Agreement.

November 25, 1991

The Board of Supervisors continue to review the proposed bond issue. At the meeting a report is given on the sewer tv-ing contract. A total of 104,996 linear feet of sewer pipe has been televised and of the 23,191 joints which were pressure tested, 6,922 have failed. The Solicitor advised that the contract could be extended without reopening the bidding process.

December 9, 1991

The Board of Supervisors approve Resolution # 1360 appointing First Fidelity Securities as the Investment Bankers for the proposed Bond Issue and authorizing the Township officials to do all acts necessary to implement the bond issue (Road Improvement Program and Drainage projects).

December 23, 1991

Mr. Fichter retires after eight years on the Board of Supervisors.

## **1992**

January 13, 1992

Mr. McQuirns is the newly elected Supervisor. Resolution #1368 is approved by the Board of Supervisors to include the street lighting buyout of \$350,000. in the proposed bond issue.

January 17, 1992

The Board of Supervisors authorize the Bond Issue of 1992.

January 27, 1992

A report is given on the sewer televising contract. A total of 137,932 linear feet of sewer pipe have been televised. Of the 30,647 joints which were pressure tested, 9,020 had failed. It is estimated that 217,600 gallons of I&I have been removed from the system. It is reported that a sag in the sewer line under the bridge at Germantown Pike near Felton Road must be repaired. It is suspected that this pipe was damaged by the County's contractor during the bridge construction.

February 10, 1992

A report is given on the sewer televising contract. A total of 144,607 linear feet have been televised. Of the 31,942 joints which were pressure tested a total of 9,748 had failed.

February 24, 1992

The Board of Supervisors express the hope that our sister townships on the Joint Authority are similarly active in attempting to alleviate the I&I in their collection systems.

March 9, 1992

A report is given on the sewer televising contract. A total of 159,624 linear feet of sewer pipe have been televised. Of the 35,148 joints which have been pressure tested a total of 11,397 have failed. An estimated 221,300 gallons of I&I is estimated to have been taken out if the system. It is also reported that both Plymouth and Whitpain Townships are pursuing I&I removal and that at this time no one foresees an expansion of the treatment plant.

April 13, 1992

A report is given that the Public Works Department has repaired 35 sections of sewer pipe out of the 153 sections found to be broken. A total of 173,521 linear feet of pipe has been televised. Of the 37,375 joints of pipe pressure tested, a total of 13,439 have failed. It is estimated that 224,250 gallons of I&I has been removed. About 100,000 linear feet of pipe remains to be televised which may require an extension of the televising contract.

April 27, 1992

The Board of Supervisors deny a request from Richard J. Seltzer, Inc. to hook up to the sewer for a property located on the Worcester Township side of the corner of North Wales and Township Line Roads. The Board of Supervisors accept a proposal from EDM Consultants to do the preliminary engineering of the township's sewer system and prepare the Act 537 plan to process our application to DER for reimbursement of our comprehensive study, tv-ing and grouting work.

May 11, 1992

A report is given on the sewer televising contract. A total of 185,338 linear feet of sewer pipe has been televised. Of the 39,768 pipe joints which were pressure tested at total of 14,721 have failed. About 224,950 gallons of I&I is estimated to have been removed from the system. To date about 60% of the township's system has been televised and pressure tested. The sewer line at the George Gambone property is found to be cracked; it is repaired and will be checked after the gabion baskets have been installed.

May 26, 1992

The EC Executive Campus Zoning is adopted. A preliminary Engineering agreement for the sanitary sewer is approved with EDM Consultants.

June 8, 1992

A report is given that 197,129 linear feet of sewer pipe have been televised. Of the 42,191 pipe joints that were pressure tested, 16,141 have failed. An estimated 231,400 gallons of I&I have been removed from the system. A 200 to 300 foot section of pipe under Germantown Pike has been found to be non-repairable. Spot repairs will be required at three locations. Township forces are not equipped to undertake the repairs. The Board authorizes that bids for slip lining the non-repairable pipe sections be obtained and to proceed with the emergency repairs. The Board of Supervisors ratify a Whitpain Sewer Service Agreement for properties on Township Line Road.

June 29, 1992

The Board of Supervisors authorize an extension of the tv-ing and grouting contract to complete the tv-ing of the whole township system at the same rate as had been awarded.

July 13, 1992

Bryan DeHart resigns to become Township Manager in Western Pennsylvania (Beaver County). A report on the preliminary engineering is provided and flow metering is authorized due to erroneous projections provided by PSC. It is further reported that 210,881 lineal feet of sewer pipe has been tv-ed. Of the 45,378 joints which have been pressure tested, a total of 18,556 have failed. It is estimated that 231,900 gallons of I&I have been removed from the system.

August 3, 1992

The Board of Supervisors authorize "smoke testing" of the sewer lines provided appropriate notice is given to the affected residents.



August 31, 1992

Jerry E. Green, Jr. of Tipp City, Ohio is hired as the Assistant Township Manager. The Public Works Director reports on a township wide-curbing survey. The Public Safety Director position becomes an issue.

September 21, 1992

A report is given on the status of the sewer system televising contract. A total of 238,777 lineal feet of pipe have been televised. Of 51,202 pipe joints which have been pressure tested, a total of 34,448 have failed. It is estimated that 241,050 gallons of I&I has been removed from the system. The Germantown Pike Bridge sewer line is reviewed. The County's Engineers are unable to locate the plans for the bridge construction due to a fire at their location.

September/October 1992

The three Township Managers write letters recommending that the Managers meet at least annually with the plant personnel to discuss the plant, Authority goals and sewer operations in each Township.

October 13, 1992

Smoke testing of the sewer lines is authorized. EDM Consultants provides a status report on the preliminary engineering of the sewer system. The final report is due by mid December. It is reported that a total of 238,777 lineal feet of sewer pipe has been televised. Of the 51,202 joints which were pressure tested, a total of 34,448 have failed. No tv-ing has been done since the last report. The Township Manager reported on the proposed budget allocation to the Joint Sewer Authority.

October 28, 1992

A joint meeting is held with the Planning Commission to review the "future land use plan", a component of the East Norriton Township Comprehensive Plan.

November 9, 1992

The meeting deals almost exclusively with the issue of the Public Safety Director position which is adopted by Resolution # 1425.

November 23, 1992

It is reported that 59,000 lineal feet of sewer pipe has been smoke tested.

December 7, 1992

*Mr. John J. McGowan is appointed to the position of Public Safety Director.* A report is given by the Public Works Director that the preliminary sewer engineering report will be finalized by late January 1993 or early February 1993. *The Township opposes the CONRAIL activation of the Stony Creek corridor rail line prior to the installation of crossing gates and flashing lights.* A report on the sewer pipe televising contract is given. A total of 247,047 lineal feet of sewer pipe have been televised. Of the 52,350 pipe joints which were pressure tested a total of 34,833 have failed. It is estimated that 241,050 gallons of I&I have been eliminated. Approximately 12,000 lineal feet of sewer pipe remain to be televised. The sewer pipe work under the Germantown Pike bridge at Felton Road is tabled until a solution as to funding can be determined. The MIPP Sewer Use Ordinance (Municipal Industrial Pretreatment Program) mandated by the EPA is authorized for advertisement.

December 21, 1992

The MIPP Sewer Use Ordinance is adopted by the Board of Supervisors.

### **1993**

January 25, 1993

The Plumbing Ordinance, requiring the installation of ductile iron pipe in sanitary sewer lines and laterals at certain locations, is adopted by the Board of Supervisors. A report is given that 253,109 lineal feet of sewer pipe have been televised. Of the 53,211 joints which were pressure tested, a total of 35,231 have failed. The televising contract is 90% completed. The Board of Supervisors authorize the expenditure of \$6,500. for the grouting of 18 sewer manholes by Tri-State Grouting.

February 8, 1993

The Supervisors hear a final report on the sewer pipe televising contract. A total of 263,335 lineal feet of pipe were televised. Of the 54,054 pipe joints which were pressure tested, a total of 35,017 failed. The estimated amount of I&I which was removed from the system is about 242,550. About \$600,000. was budgeted to do complete this project with \$149.76 remaining. The Township recouped approximately \$300,000. from DEP for this work. The Township is advised by the Municipal Authority that the Township, due to sufficient funds being available "in trust to meet all remaining obligations of the Authority", further lease payments from the Township may no longer be required. The Public Works Director advises that a report on the sagging sewer line underneath the Germantown Pike bridge near Felton Road will be available at the March regular meeting.

March 8, 1993

The Board of Supervisors authorize a bond issue refinancing estimated to avoid between \$50,000. to \$100,000. in interest payments over the life of the issue. The Township Manager reports that because of the favorable interest rate market that the Township should be looking to finance the estimated \$3.5 million sewer pumping station upgrade subject to the completion of the preliminary engineering report from EDM Consultants. The Manager was authorized to procure bids (proposals) for refinancing the bond issue.

March 23 & 27, 1993

The Board of Supervisors review the preliminary engineering report from EDM Consultants at length. Alternatives to be considered are as follows: 1. Upgrade the three major pumping stations at a cost of \$3.25 million. 2. Construct a treatment plant and upgrade two pumping stations at a cost of \$6.68 million. 3. Upgrade the three major pumping stations and install a equalization holding tank at the Norris City Avenue Pumping Station at a cost of \$ 5.0 million. 4. Upgrade two pumping stations and if necessary, pay the cost of the Saw Mill Run Station upgrade, estimated at \$3.9 million. The final recommendation of EDM Consultants was to upgrade the three major pumping stations, pending DER reviews and obtaining a Water Quality Management Permit. See also the attached minutes of that meeting.

April 2, 1993

The Board of Supervisors question the competitive process used in selecting the investment banker on the refinancing of the Joint Authority's \$4 million bond issue.

April 3, 1993

The Board of Supervisors accept the preliminary engineering report from EDM Consultants as revised; accept the proposal from EDM Consultants to complete the Township's Act 537 plan and file an application for "Sewage Facilities Planning Assistance with DER to recoup our \$600,000. Televising and grouting contract costs; authorize the Township Manager to obtain proposals for a projected \$3.9 million bond issue to address the pumping station rehabilitation project proposed by EDM Consultants.

April 28, 1993

The Board of Supervisors conduct a joint meeting with the East Norriton Township Planning Commission to review the 1993 Future Land Use Plan and to review two new zoning districts: MR-Residential (Medium Density Residential); Limited Commercial District.

May 10, 1993

The Board of Supervisors hear a report on the elimination of I&I from the sewer system and how violators of our sump pump regulations could be detected.

June 14, 1993

The Board of Supervisors hear a report on the approximate cost of \$3.9 million to upgrade the township's pumping stations. It is estimated that the annual cost of the bond issue on the average sewer rental bill will be about \$82.00. The East Norriton Township Municipal Authority issues a certificate of termination.

June 28, 1993

Action on Resolution # 1460 - 1993 Bond Issue, was tabled until the regular meeting of July 12, 1993 to review additional information.

July 12, 1993

The Board of Supervisors approve Resolution #1460, authorizing the 1993 Bond Issue for the rehabilitation work on the pumping stations at a cost of \$3.9 million.

July 26, 1993

The Board of Supervisors review a report on the Burnside Avenue Pumping Station. A letter to all of the sewer rate payers on the bond issue is reviewed and authorized. The Board also reviews odor complaints about the Saw Mill Run Pumping Station. It is questioned why only East Norriton Township's sewage is reported to smell.

August 23, 1993

The Board of Supervisors review a timetable and schedule on the process of the bond issue. A special meeting has been scheduled for August 25, 1993. EDM Consultants present the proposed Act 537 Plan which will be the subject of a public hearing to be held on October 25, 1993.

August 25, 1993

Ordinance # 332 is adopted which is the 1993 Sewer Bond Issue in the amount of \$3.9 million.

September 7, 1993

Strong sewer odors at Jefferson Street and the Saw Mill Run Pumping Station are reported to Mr. Zinda, Superintendent of the Joint Sewer Authority Treatment Plant.

September 27, 1993

The Board of Supervisors publicly recognize the service of the Township's Municipal Authority members: Fritz Ahlfeld, Kenneth Johnson and Solicitor James Hollinger present at the meeting. A moment of silence was requested in memory of William March also an Authority member who had passed away. Members recognized, but not in attendance were: Joseph Rothwein and Laurent Beaudry. The Board of Supervisors reviewed a statement about the necessity of the 1993 Bond Issue. The Board of Supervisors approve Resolution # 1470 for the Cooperative Purchase of Sewer Flow Measuring Devices with Whitpain and Plymouth Townships.

September 29, 1993

A petition about sewer odors on Jefferson Street is received by Plymouth Council and forwarded by Ms. Mower to Mr. Sciambi, Plymouth Township's representative on the Joint Sewer Authority, by letter, date September 29, 1993.

October 12, 1993

The Board of Supervisors authorize the appointment of EDM Consultants to complete the final engineering on the sewer system at a cost of \$349,000.00.

November 8, 1993

The amended engineering contract with EDM Consultants for the final design of the sewer system is approved for \$325,000.00.

November 22, 1993

The Board of Supervisors authorize advertising an Ordinance to increase the sewer rental treatment charges as necessitated by the Joint Sewer Authority.

December 13, 1993

The Sewer Rate Increase Ordinance, facilitating the increased treatment charges is adopted by the Board of Supervisors. The Board also requests a resolution of the Norriton Business Campus Pump Station Agreement.

## **1994**

January 12, 1994

A meeting is held with representatives of the three Townships and Engineers from BCM to review Odor Control Measures within the ENPWJSA Service Area. This meeting was prompted by the continuing sewer odor complaints from residents in the Jefferson Street and Saw Mill Run Pumping Station areas.

January 24, 1994

The Board of Supervisors approve a Sewage Facilities Agreement with Fourtees on the Norriton Business Campus Pump Station. The Board of Supervisors also approve an extension of the Act 247 deadline on this development to April 1996. A report is provided by EDM Consultants on the status of their work activity on the final sewer engineering design.

February 14, 1994

Rental of a power generator is authorized due to a number of power failures at the Timberlake pumping station. A summary of EDM's work activity on the final engineering design is reviewed by the Board of Supervisors. The Board of Supervisors review a letter from BCM Engineers on the proposal for Odor Control Measures at the Joint Sewer Authority pumping station at Saw Mill Run.

March 14, 1994

The Board of Supervisors review a summary of EDM's work activity on the final sewer engineering design.

March 28, 1994

Hillcrest Storm Water Retention Basin design review by the Township Engineer.

April 25, 1994

The Board of Supervisors review the sewer rate increase levied as a result of the bond issue and the newsletter which was mailed to all of the rate payers to explain the rate increase. Mr. Theodore J. Speaker, Jr. retires from township employment after a total of twenty -one years of dedicated service. The work activity status of EDM on the final sewer engineering design is reviewed.

May 16, 1994

William F. Tolliver retires from the Police Department after his dedicated service of twenty-five years with the Township. The work activity from EDM on the final sewer engineering is reviewed.

June 13, 1994

The Board of Supervisors review the sewer rental increase. The Board reviews a letter from DER about the Act 537 plan and authorizes a response to the letter.

August 22, 1994

*The Board of Supervisors approve the Township's Comprehensive Plan by adopting Resolution # 1529. The Board commends the Planning Commission members and Mr. Van Rieker for their hard and dedicated work in preparing the plan.* The work activity of the final sewer engineering design by EDM is reviewed. A report is given that David Erb is repairing the sag in the sewer line under the bridge at Germantown Pike at Felton Road.

September 12, 1994

The Board of Supervisors review the work activity of EDM on the final sewer engineering design. The Supervisors hear a report on the use of ECOSORB to eliminate the odors at the Saw Mill Run Pumping Station by Whitpain Township: "When the system works, it works very well, but there have been problems when it is not properly working".

October 17, 1994

The Board of Supervisors review a report on the Burnside Avenue Pumping Station and the need to make the proposed power generator for this station portable so it can be used at other sites. The Board approves the payment of this cost to the Township of \$5,000.00. It is reported that a system is in place at the Saw Mill Run Pumping Station to resolve the odor problems.

November 14, 1994

The proposed budget of the Joint Sewer Authority is reviewed by the Board of Supervisors.

December 12, 1994

Mr. Endlich of EDM Consultants reports that bid documents for the upgrade of the pumping stations will be going out in early January 1995.

## 1995

January 23, 1995

EDM Consultants reports that the final engineering project is 87% completed. The Board of Supervisors authorizes that a portion of the \$50,000.00 DER grant be applied for drainage work at Orchard Lane and at the Russo residence on Evergreen Road.

February 13, 1995

A progress report on the Burnside Avenue Pumping Station is reviewed. All of the work must be completed prior to dedication to the Township.

March 13, 1995

*John J. McGowan is sworn in as East Norriton Township's Police Chief.* The Board of Supervisors authorize Bids for the Sewer Pump Station Rehabilitation project.

April 13, 1995

The Board of Supervisor authorize EDM Consultants to prepare an Act 537 Plan reimbursement application at a lump sum cost of \$500.00.

May 8, 1995

*Mrs. Moll of Orchard Lane appears before the Board to express concern about the storm water erosion work to enclose the drainage ditch behind the properties. Mrs. Schunder of Norris City Avenue complains about the speeding and requests that speed bumps be installed.*

June 19, 1995

Bids are awarded for the Sewer Pumping Station Rehabilitation Project: Dugan Construction for \$1,661,000.; Eastern Construction Associates for \$548,800. and Penn Detroit Diesel for the generators at \$241,113. It is reported that the Burnside Avenue Pumping Station will be ready for dedication at the July 10, 1995 meeting.

July 10, 1995

The Township's codes are codified by formal action of the Board of Supervisors. The Board accepts dedication of the Burnside Avenue Pumping Station, the sewer lines, force main and related easements. Another Eney property proposal is reviewed.



September 11, 1995

The Solicitor reports that the bonds and contracts for the sewer pumping station rehabilitation project is in order.

December 11, 1995

The Board of Supervisors adopt the Township's Open Space Plan and thank Mr. Van Rieker for his presentation and assistance in preparing it.

## **1996**

February 12, 1996

The Board of Supervisors defer any sewer treatment charge increases until various questions which have been posed are resolved. A meeting is requested with representatives of the Joint Sewer Authority.

March 11, 1996

*The Township Manager request authorization to do a mailing to encourage residents to use EAST NORRITON when addressing their mail with the existing zip codes of 19401 or 19403.*

April 8, 1996

A report is given on the progress of the sewer pumping station rehabilitation project. A proposal for a bond issue (road improvement projects and municipal building expansion) is reviewed.

April 29, 1996

A special meeting is held to discuss the proposed bond issue to refinance the 1993 issue.

June 27, 1996

A report on the progress of the pumping station rehabilitation is given.

July 15, 1996

A report is given on the progress of the pumping station rehabilitation project. The Solicitor reports on the draft of the Burnside Avenue Pumping Station.

August 12, 1996

The Board of Supervisors adopt an ordinance to create the Shade Tree Commission. In order for the Township to qualify for a County grant on tree planting this ordinance is required. The proposal for the bond issue is reviewed to include financing for the completion of the road improvement program; expansion of the municipal building and a recreation center.

August 22, 1996

A special meeting is held to discuss and authorize the proposed 1996 bond issue. The issue of the proposed recreation center is debated. A questionnaire is authorized for mailing to the residents to gauge the support for the recreation center. The funds for the community center are ultimately appropriated as the Township's share of the capital improvement program at the Joint Sewer plant.

September 16, 1996

A report is given on the progress of the sewer pumping station rehabilitation project. The project is on schedule.

October 16, 1996

A complaint is received by the Township on the odors from the incineration at the treatment plant. A report is given on the sewer pumping station rehabilitation project.

November 1996

The East Norriton- Plymouth-Whitpain Joint Sewer Authority Capital Improvement Program is unveiled. The total projected four year budget costs are estimated at a total of \$4.4 million. Thereafter "for the years following the fourth year, or years five through ten, an annualized cost of \$1.2 million is recommended.

November 12, 1996

The Board of Supervisors review the proposed 1997 budget which includes a sewer rate increase levied by the Joint Authority due to an increase in the township's sewer flows. Questions are raised about the Authority's capital budget and a meeting with the township's representatives on the Authority is requested.

November 1996

The Philadelphia Inquirer (Neighbors Section) prints an article entitled Joint sewer authority overflows with woes which outlines the capital improvement program of the Joint Authority.

November 29, 1996

Mr. Ben Wyche a former member of the Joint Authority from Plymouth Township writes a critical letter about the operations of the Joint Authority and the treatment plant.

November 21, 1996

The Township Solicitor advises that the Township may use the proceeds of the 1996 bond issue (\$800,000.00) originally scheduled for the proposed community center as our contribution required by the Joint Authority to cover the capital improvement program.

December 2, 1996

The Board of Supervisors meet with the Township's representatives of the Joint Sewer Authority to discuss the proposed Capital Improvements Budget of the Joint Sewer Authority.

December 19, 1996

The Board of Supervisors review a report from the Township Manager with concerns on the East Norriton, Plymouth, Whitpain Joint Sewer Capital Improvement Program. The Board expresses the need for the hiring of a business manager to handle the day to day fiscal and business operations at the plant. The Board hears a report that the new generators at the pumping station will be tested on January 7, 1997.

December 27, 1996

The East Norriton Township Board of Supervisors request to meet with the elected representatives of the other participating municipalities to discuss a number of issues: 1. The number of representatives on the Authority Board; 2. The hiring of a Business Manager; 3. Rotation of Solicitors on the Authority from each municipality; 4. More active role of the Manager in the affairs of the Authority until a Business Manager is hired; 5. A discussion about the continuation of the incineration of sludge at the Plant; 6. A solid capital improvement program and acceptable fiscal plan for the Treatment Plant's required improvements; 7. A final resolution to the odor problems at the Saw Mill Run Pumping Station.

## **1997**

January 6, 1997

A meeting is scheduled with the Joint Authority representatives and elected officials of the participating municipalities to review the operations of the Joint Authority.

February 10, 1997

The Board of Supervisors review proposals for Sanitary Sewer Engineer. A report is given on a meeting with the Sewer Authority. The Board authorizes a letter to all sewer customers in the Township explaining the rate increase which will take effect in the 1<sup>st</sup> quarter of 1997.

March 10, 1997

Elmer Maul is awarded the Township's 1996 Community Service Award. The Board reviews a report on the new assessments on real estate property as part of a county wide re-assessment program.

April 1, 1997

The Board of Supervisors review the notice to the residents on the proposed sewer rate increase. A statement is read into the record about the increase and that the manner in which the Joint Authority is operating will be addressed. The Board of Supervisors schedule interviews for the appointment of a Sanitary Sewer Engineer.

May 12, 1997

A report is given on the substantial completion of the sewer pumping station rehabilitation project. The budget for the project as \$2.9 million and the final total is estimated to be \$2.1 million. The Board of Supervisors request a schedule of the treatment plant's capital expenditure requirements from the Joint Sewer Authority. EDM Consultants is appointed as the Township's Sanitary Sewer Engineer.

July 14, 1997

The Board of Supervisors hear a report on the alarming rate of sewer rental payment delinquencies. Recommendation will be forthcoming for review by the Board. An expenditure for pump pulse monitors as recommended by EDM Consultants is authorized.

August 11, 1997

A letter to DEP from the Sanitary Sewer Engineer is reviewed about administrative restrictions on future sewer connections. A survey letter from the Sanitary Sewer Engineer to all sewer users in the Germantown Pike watershed is reviewed and authorized. Sewer flow monitoring by G&B Environmental, Inc. is authorized.

September 8, 1997

A report is given on the odor problem at the Saw Mill Run pumping station. The Township is

in contact with the Joint Sewer Authority to resolve this problem. Berkheimer Associates is appointed as the Township's Act 511 Tax Collector. A progress report is given on the trenchless sewer line repairs on Swede and Township Line Roads.

October 14, 1997

A letter from EDM Consultants to the Department of Environmental Protection is read into the record. The Board of Supervisors authorize to extend the trenchless sewer repair contract for an additional 100 to 150 lineal feet pending review by the Township Solicitor who concurs that the contract may be extended on a per unit basis. The Township Manager reports that sewer rental payment delinquencies total \$160,000. The Board of Supervisors appoint the Township Manager to the vacancy on the Joint Authority left by the passing of Ross Brandt.

November 10, 1997

The Board of Supervisors hear a report on the Joint Sewer Authority's budget. It is noted that the budget is balanced based on the sewage flow from the participating municipalities. Capital improvement costs to the plant are shared equally by each municipality contributing one third of the cost. The Moulton Builders and Franklin Realty projects receive preliminary approval.

December 15, 1997

The Board of Supervisors hear a report that the Sewer Authority is now monitoring sewer flows into the plant. The initial results are interesting. When it rains, there is very large increase in the sewer flows.

## **1998**

February 17, 1998

EDM Consultants review an ordinance on proposed sewer construction standards on pipes, manholes and connections to the system. The draft ordinance is authorized for advertisement and consideration at the March 16, 1998 meeting.

March 16, 1998

The Board of Supervisors approve Ordinance #393 Sanitary Sewer Construction Standards for advertisement after it has been reviewed by the Township Solicitor. The Board hears a report on the proposed budget of the Joint Sewer Authority. A motion is made to meet with the township's representatives on the Joint Authority.

March 23, 1998

Properties are being identified in the Germantown Pike area which may be contributing to the I&I problem experienced in the township's sewer system. The Van Landeghem property purchase with West Norriton Township is reviewed. The connection of some properties in the western end of the Township to the West Norriton Township sewer system is reviewed.

April 14, 1998

The Board of Supervisors review Ordinance # 393 Sanitary Sewer Construction Standards. The East Norriton Crossing development receives final approval. The Sanitary Sewer Engineer reports on the sewer flow monitoring at the Germantown Pike Pumping station. He also reviewed a letter to be sent to the residents alerting them to the sump pump problem and requesting their cooperation.

May 26, 1998

The Board of Supervisors adopt Ordinance #393 Sanitary Sewer Construction Standards. The Board of Supervisors hear a report from the Township Manager on the ENPWJSA pumping station odor problems and how the Authority is dealing with the situation.

July 14, 1998

The Board of Supervisors adopt Resolution # 1776 increasing the ENPWJSA Tapping fee from \$1,000. to \$1,800. per EDU for any future sewer connections.

August 11, 1998

The Board of Supervisors review bids for a sanitary sewer pipe camera to be provided with associated equipment and in a self contained vehicle. The Supervisors hear a report that the amnesty program on delinquent sewer rentals has netted a total of \$78,703.00 in delinquent sewer rents and \$13,000. in associated fees.

September 8, 1998

The Board of Supervisors award the bid for the Sanitary Sewer Camera, vehicle and Equipment to the lowest responsible bidder, Aeries Industries at a cost of \$84,752.00. It is reported that a builder of a large development from Worcester Township wishes to meet with the Managers of East Norriton, Plymouth and Whitpain Townships to discuss possibly joining the ENPWJSA. The Joint Sewer Authority Equivalency Calculations Analysis Study for EDUs which will conform all of the participating municipalities in their EDU calculations is approved by the Board of Supervisors. The Board of Supervisors review and approve the Norriton Business Campus Sewer Recapture agreement.

October 28, 1998

The odor problem at the ENPWJSA Saw Mill Run Station is discussed and it is finally revealed what the main source of the problem is. Apparently a 4 mile long sewer main from another Township is holding sewage for lack of continuous flow. Because the sewage remains in the lines for a period of some time and due to the hot weather, it becomes septic and causes the odors which are evident when it reaches the Saw Mill Run Station. Corrective measures are being reviewed which will include introducing chemicals into the Whitpain line and ultimately enclosing the wet well and channel at the Saw Mill Run Station.

November 9, 1998

The Township receives a petition from the residents of Timberlake Apartments about the odor problem at the pumping station. The staff proposes that the wet well be enclosed and ventilated through filters as a way to alleviate the odor problems. The Manager reports on the proposed 1999/2000 ENPWJSA and even though there will be slight increase in the treatment charges this increase will be covered from the Township's sewer budget.

December 8, 1998

The Township Manager reports that the introduction of chemicals at the Timberlake station to eliminate the odors have proven inconclusive. Whitpain Township requests to expand the Joint Sewer Territory. The request is approved by the Township. During the township's budget adjustments discussions it is reported that the Township is proposing to allocate the Capital Improvement funding from the Sewer Revenue fund to the Joint Authority for capital improvements at the treatment plant. The recommended budget adjustments are approved by the Board of Supervisors. Mr. Smith, P.E. of EDM Consultants is scheduled to come to the February 1999 meeting to review the Shultz Road pumping station. The Board of Supervisors announce that Elmer Maul was not reappointed to the Joint Authority and that Mr. Geary has agreed to resign since the Board of Supervisors would like to reduce the size of the Authority from the current none member to five. It was reported that the meeting held with Messrs. Geary and Maul was very amenable and that Mr. Maul had signed a resignation letter and Mr. Geary had verbally agreed to resign. The Township Manager requested authorization as a member of the Joint Authority to not vote for the appointment of the auditor, solicitors and those individuals who have resigned their Authority position. The Board of Supervisors formally approved this request.

## **1999**

February 9, 1999

Mr. Smith of EDM Consultants reports that the lines discharging to the ENPWJSA Saw Mill Run station have been tested and were found to have minimal odor levels. However when the

Whitpain lines were tested, high hydrogen sulfide levels were detected (it smelled to high heaven). Mr. Smith further reported that the Authority is in the process of enclosing the Saw Mill pump station wet well. Mr. Smith also reviewed his recommendation on the repairs at the Shultz Road pumping station estimated at \$24,000.00. The Board of Supervisors accepted the recommendations and authorized the required repairs.

A report is given on the proposed odor elimination at the Timberlake pumping station. Proposals from Acer Engineers and EDM Consultants are received for the enclosure of the pumping station wet well and installation of a air filtering system. The Board of Supervisors appoint Lewis K. McQuirns to the East Norriton Plymouth Whitpain Joint Sewer Authority to replace Elmer Maul whose term had expired December 31, 1998. ( Mr. McQuirns abstained from this vote) The Board of Supervisors also appoint John B. Gourley to the ENPWJSA to replace Ray Geary who submitted a verbal resignation to the Board of Supervisors on December 23, 1998. (Mr. Gourley abstained from this vote). The Board of Supervisors approved the proposal from EDM Consultants in the amount of \$9,500. - \$10,000. to perform the recommended engineering services for enclosing the wet well at the Timberlake pumping station and treating "off" gases that may result so that no odor can be detected after discharge.

March 9, 1999

The Board of Supervisors approve the 4<sup>th</sup> quarter Joint Sewer Authority Capital contribution of \$167,077.50 and the total capital contribution of \$668,310.00 for 1999.

April 20, 1999

The Board of Supervisors approve resolutions honoring Messrs. Geary & Maul for their service on the Joint Sewer Authority. A report is given on the sewer abatement projects and the I&I in the western end of the Township.

May 11, 1999

The Board of Supervisors approve Ordinance # 407 EDU Calculations. This will make the calculations uniform for the three municipalities and the Joint Sewer Authority. A status report is provided on the odor problems at the Timberlake and Saw Mill Run pumping stations. Bids are authorized for a sewer jet truck and for the wet well enclosure and filtering to resolve the odors at the Timberlake pumping station.

June 8, 1999

Bids are opened for the Truck mounted high pressure Water Jetter. A report is given that bids for the Timberlake pumping station wet well enclosure and air filtering system will be opened at the July meeting.



August 10, 1999

Bids are opened for the Timberlake pumping station wet well enclosure and air filtering system and awarded to R.L. Tschopp General Contractor at a cost of \$47,500. The bid for the High pressure water jetter is awarded to Elite Equipment Corporation for \$86,995.00.

November 9, 1999

The Board of Supervisors authorize emergency repairs to the sewer line behind Somerset Tire at an approximate cost of \$17,412. Funds for this work was received from the developer of the project. Repairs to the Whitehall Road pumping station totaling \$6,925.76 are authorized by the Board of Supervisors.

## **2000**

February 22, 2000

The Board of Supervisors authorize advertising the Sanitary Sewer Use Ordinance (**Unauthorized connections to the Wastewater Collection System**).

March 20, 2000

The Board of Supervisors adopt Ordinance # 419 Unauthorized Connections to the Sewer System. A report is presented on the East Norriton - Plymouth - Whitpain Joint Sewer Authority Budget and Capital Improvement Update.

April 17, 2000

The Board of Supervisors hear a report on the funding for the ENPWJSA operating and capital improvement budget. East Norriton Township's portion of the capital improvement budget is estimated at \$300,000. and a determination will have to be made how this will be funded in the year 2001.

May 16, 2000

Another report is given on the proposed capital expenditure budget of the ENPWJSA Authority and how this will be funded by the Township.

June 19, 2000

A draft letter to all sewer customers on illegal connections to the Township's sewer system is reviewed and approved by the Board of Supervisors.

**See the conclusions of this report on the next page.**

## CONCLUSIONS;

The saga continues as we write this report. Some of the conclusions I draw in this report may not be documented here, but are taken from other personal experiences which I may have had in my dealings with the sanitary sewer issues.

1. Many dedicated and loyal volunteers served the Township in an advisory capacity on the various Sewer Boards, Authorities and Committees.
2. At the time of inception of sewers in East Norriton Township there were already problems with the system. Overflows in the system were recorded as early as the mid 1960s. The system was at that point operating for less than five years.
3. Communications between the elected officials and their appointees to the various Sewer Boards, Authorities and Committees was not always at its optimum level. Submitting a written report without calling out its importance or grave consequences is not, in my opinion good communications.
4. Sometimes political concerns over the cost of improvements/repairs to the Joint Treatment plant overrode the necessity to actually implement those improvements/repairs. This had the result that things got progressively worse for a time.
5. The Joint Sewer Authority too long relied on its consultants to operate the treatment plant. The Authority failed on numerous occasions to hire professional business oriented individuals to oversee the operation and capital improvements of the plant.
6. The Authority languished with ineffective management of the plant for a number of years. Positive change came slowly and began in the mid 1990s.
7. As of this writing we have seen and been part of significant improvements at the East Norriton - Plymouth - Whitpain Joint Sewer Authority Treatment Plant. Some of these are:
  - A. An Engineering Evaluation of the Plant was performed in 1995/1996.
  - B. The Capital Improvement Program was implemented shortly thereafter.
  - C. A new and comprehensive long term labor contract was negotiated and approved with the Authority's Union.
  - D. Better communications with the Townships is being maintained.
  - E. A professional, business oriented individual has been hired as the Plant Manager.

Helmuth J.H. Baerwald 10.3.2000