

## Hilltown Supervisors Meeting

December 22, 1980

The meeting was called to order by the Chairman, Vincent Pischl. The treasurer's report was read by Mrs. Gutekunst and approved by Mary Lockard and seconded by Edward Wentz. The bills in the amount of \$10,339.72 were approved for payment by Ed Wentz and seconded by Mary Lockard.

The minutes of the previous meeting were reviewed with the following comments: Question raised on the status of the contaminated wells and water quality certification. Mr. Leister reported that Bob Wynn had tried to talk to Mr. Beechwood of DER but he is on vacation, then he talked to Mr. Wills of BCBH and he advised the latest data be forwarded to Mr. Thomas of DER for evaluation and he will decide if additional sampling is required. If further sampling is needed the Board of Health will do the sampling. Mr. Wilson had reviewed the abatement plan submitted by Dennis Pennington and prepared a detailed report of that and previous happenings which is attached to these minutes. Mr. Wilson felt perhaps progress might be made with H. & K. when they have a meeting on Jan. 6th. Mr. Wilson will send a copy of the Intex Report to DER and to Mr. Hershel Richman, attorney for H. & K. Mr. Wentz asked Mr. River if he had contacted the representatives of the eight fire companies about a meeting on Jan. 20th and he answered in the affirmative. There being no further questions on the minutes, they were approved as written.

Ordinance No. 80-3 establishing rules and regulations for the installation of solid fuel burning stoves and appliances and the construction and/or installation of chimneys and requiring permits prior to the installation thereof, inspections and penalties for violations was signed and adopted by the supervisors. Mr. Wilson will work on writing up on a resolution establishing fees for above mentioned ordinance within the next few days.

The supervisors signed resolution No. 80-13 accepting the Deed of Dedication from St. Peter's Lutheran Church.

Mr. Wilson and Mr. Leister are having a meeting on the escrows and all other problems with Green Meadows based on the letter that Sections IV and V would be taken over by First Family Federal. Conestoga Way should be completed through to Summit St. and Washington Ave. should be built.

Mr. Geitz's attorney has been in touch with Mr. Wilson about his site development. Mr. Wilson will report on that as soon as he has more details.

Mr. Wilson read over the draft of the electrical ordinance and on a motion by the supervisors will proceed to advertise same for adoption at the next meeting along with a fee schedule.

Mr. Poisker, owner of a church type building, asked the supervisors whether he could rent the building to a group, represented by Janet Aichle, for church use. Since the building is in a commercially zoned area, this is not a permitted use. Mr. Wilson had written him a letter advising him to go before the Zoning Hearing Board. This advice was also given to him by the supervisors but they did concede the paying of the fee required for a zoning hearing and will permit him to apply for a hearing on a cost billing base.

The supervisors signed the letters for the subdivision of Martha Cottingham. Also the plans for subdivision for Arthur E. Smith were rejected based on the denial for a septic system from the Bucks County Board of Health. Mr. Wynn will write the letter of rejection.

Motion made by the supervisors to have Mr. Wilson represent the Planning Commission Board on regular matters. In case of a court case or legal matter, they then would retain the services of Grim and Grim.

The planning commission is having a work session on January 12th on the finalization of the new subdivision ordinance. A motion was made by the supervisors to have Mr. Wilson sit in on this session./



Mrs. Aichle raised a question on the activity at the landfill on the property of Frank Nicholas located at Keystone Drive and Hilltown Pike. Many trucks have been observed going in there and dumping materials of some kind in the landfill on the property. Mr. Hoot is to check out same. Mrs. Aichle also asked whether people had to display building permits when doing building, etc. The answer was in the affirmative.

Mrs. Gutekunst read a letter from the Hilltown Township Sewer Authority that the \$30,000.00 grant from EPA for Schoolhouse Road was denied in the final grant. Also they informed the supervisors that Mr. Beals is willing to serve another term.


Mrs. Gutekunst informed the supervisors that on Jan. 12th Interstate Asphalt will be holding a materials and road building seminar at Benentz Inn from 9:30 A. M. to 2:30 P.M. and all supervisors are invited to attend along with our Road Superintendent and Road Foreman. Lunch will be provided. Reservations must be in by the 7th of January.

Before the budget for 1981 was adopted, people were asked for input into the Federal Revenue Sharing Budget, there being none, the following budget for 1981 was adopted- Copy of said budget is hereto attached. Total of all funds being \$751,069.52

There being no further business, meeting was adjourned.

Respectfully submitted,

Dorothy Gutekunst



the meeting is held to adopt the final Township budget. A separate Budget Hearing may be held, if desired, after notice has been given for the 10 days required by Federal law but before the meeting at which the final Township budget will be enacted.

A combined Budget Hearing-Budget Adoption meeting may be held and the following information should be contained in the newspaper notice:

1981  
"The proposed budget for fiscal year ~~1978~~ for the Township of Hilltown, County of Eucks, has been adopted and is open for inspection at (place) \_\_\_\_\_ between the hours of 9:00 AM and 5:30 PM, beginning (date) 11-20-80. The final budget will be adopted at a meeting of the Board of Supervisors to be held (date) 12-22-80, (time) 7:30 PM, (place) \_\_\_\_\_. Preceding the adoption of the Budget, a Budget Hearing for Federal General Revenue Sharing purposes will be held, in order to receive written and oral comments on the proposed budget. Following is a summary of the expenditures of General Revenue Sharing funds and a comparison to expenditures of all other Township funds:

	<u>PROPOSED USE OF REVENUE SHARING</u>	<u>EXPENDITURES OTHER FUNDS</u>	<u>TOTAL</u>
General Government	\$ <u>1,000.00</u>	\$ <u>185,700.00</u>	\$ <u>186,700.00</u>
Protection to Persons/Property	\$ <u>42,209.00</u>	\$ <u>192,860.00</u>	\$ <u>235,069.00</u>
Health/Sanitation	\$ _____	\$ _____	\$ _____
Highways	\$ <u>16,900.00</u>	\$ <u>208,019.12</u>	\$ <u>224,919.12</u>
Library	\$ _____	\$ _____	\$ _____
Recreation	\$ <u>5,000.00</u>	\$ <u>1,500.00</u>	\$ <u>6,500.00</u>
Special Services	\$ _____	\$ <u>60,000.00</u>	\$ <u>60,000.00</u>
Debt Service	\$ _____	\$ _____	\$ _____
Improvements Other <u>Buildings</u> (Specify)	\$ <u>4,781.40</u>	\$ <u>3,000.00</u>	\$ <u>7,781.40</u>
Other <u>Zoning</u> (Specify)	\$ _____	\$ <u>30,100.00</u>	\$ <u>30,100.00</u>
Other _____ (Specify)	\$ _____	\$ _____	\$ _____
<b>TOTAL</b>	\$ <u>69,890.40</u>	\$ <u>681,179.12</u>	\$ <u>751,069.52</u>

All Townships must publish the Budget Summary and notice of Budget Hearing, unless the cost of such publication exceeds 15% of the Township's fiscal year allocation of Revenue Sharing Funds. Also, copies of the Budget Summary as advertised above may be made available for inspection at nearby public libraries, where feasible.

SEPARATE BUDGET HEARING FOR REVENUE SHARING BUDGET

December 22, 1980

MEMORANDUM

IN THE MATTER OF

Haines and Kibblehouse, Inc.  
Vernon and Edith Horn - Industrial Wastes  
DER - Hilltown Township

An Order was issued on March 7, 1977, by C. P. Beechwood for DER, at which time, Haines & Kibblehouse were cited and directed to take certain steps to remove possible pollution from the Blooming Glen Landfill. The owner of the Landfill is Vernon and Edith Horn. Further research into the matter indicated that the pollution was not going from the Landfill into the quarry; and it is our understanding that H & K are not cited presently since they have complied with the DER orders. The party that has not complied has been Mr. Horn. The Board, in their Order, found that the Landfill discharges leachate, an industrial waste, which is created by the contact of solid wastes with the underground waters of the Commonwealth and the leachate flows in the underground waters and has polluted the drinking water supplies of residents in Hilltown Township, including: Robert C. Wyllie, Blooming Glen Road, Perkasie, Pa.; Earl Hesse, Box 401 Blooming Glen, Pa., and Robert Sekella, 515 Twin Brook Road, Perkasie, Pa.

The Order, under which Horn is to comply, is to do as follows:

1. Carry out a hydrogeologic program addressing the pollution of the underground waters resulting from the discharge of the leachate from the Landfill in accordance with the following schedule:

a. Prepare a large scale topographical work map of an area within a 1400-foot radius of the monitoring well installed by Hilltown Township, located between Quarry Road and the Landfill, inventorying all streams, water wells, springs, public water supplies, other bodies of water. (A copy of that Order is attached hereto for a detailed review.)

b. A history of the Landfill activities was to be done to show the waste accepted and how it was handled.

c. The topographical map should locate all the surface water, observation points, wells, streams, springs, etc., so that the ground water recharge and discharge areas could be shown, which might be affected by the discharge of leachate from the Landfill.

The foregoing were to be reviewed, then, by DER and then a monitoring program was to proceed.

Within 30 days from the date of the Order, this preliminary proposal was to be filed, along with the plan by Horn's expert. That expert is Weldon Harris, and the Plan is as follows:

1. Landfills:

a. Contour and seal top of landfill using silty clay. This to prevent increased runoff and reduce water infiltration.

b. Periodic pumping at existing well at the edge of the landfills in order to lower groundwater to table.

c. Treatment of recovered leachate via spraying on the surrounding ground area.

d. Possible discharge of treated water through adjacent stream.

2. Groundwater:

a. Periodic pumping to control migration of leachate and to recover leachate that has already moved out by creating a cone of depression. The pumping is to cause this cone and cause reversal of flow.

b. Contaminated groundwater will be treated and discharged as stated previously.

c. Pumping of the landfill and the data collation will permit evaluation of the Plan.



3. Chemical Analysis:

a. Samples to be collected from the three agreed-upon contaminated wells. Tests would be for turbidity, ph, alkalinity, COD, BOD, specific conductance, iron, magnesium, TDS, oils, ammonia and odor.

b. Liason to be done with the Bucks County Dept. of Health.

The Abatement Plan was approved by DER and the problem with the abatement plan seems to be that it was never really implemented in a thorough, regular testing schedule with pumping of water from the Landfill cite to create the cone of depression and to detect for pollution and the pumping out of the groundwater. In fact, the Order included the requirement that the Defendant submit a schedule to the Department which apparently has not been carried out. The Township, in the Equity Action, has complained that the Defendants are not in compliance with the Order and are causing a nuisance. What is really needed is to implement the Order of DER, dated as above, which compliance schedule was discussed July 12, 1977 with DER and which gave rise then to the Weldon-Harris Plan.

A review of the groundwater study conducted by Cowan Associates and dated August 27, 1979 is helpful. This study concludes that the movement of the leachate is very slow and concludes that the general direction of the flow is to the west and northwest and further agrees that as a result of a review of the various tests that have been conducted on the wells, that the three wells stated by DER to be contaminated are contaminated, in addition to other wells. A list of the contaminations is found at Pg. 13. The Study says that Histan's and the DePinto wells have also been contaminated. They state that there are complaints by

Strouse, Spanniger and Moyer about the quality of their drinking water. They note that all the wells fall within a zone of approximately 250 to 400 ft. wide aligned on the major joint pattern, and the strike of the bedrock.

On Pg. 15, the Report suggests that certain chemical testing be done on the well samplings and notes that there has been variance in the level of contamination from the samples taken during the 1975 to 1977 time period.

#### ANALYSIS OF ABATEMENT PROGRAM

The Report criticises the control abatement program submitted by Horn in that the wells used to pump contaminated groundwater:

1. Are not deep enough.
2. They do not intercept the amount of groundwater required to remove the accumulated leachate in the contaminated groundwater.
3. Pumping the existing landfill only removes the water stored in the wells and in the immediate vicinity of the well.

The recommendation was that an additional deep well of 150 to 200 ft. should be drilled in the center of the landfill and used for recovery purposes. It predicts that the contaminated groundwater will continue to flow in the zone described previously with the concentration of leachate from the landfill to be low and dilution of the leachate to occur quickly when compared to groundwater recharge rate and flow through the aquifer. Again, they note the rate of groundwater movement is very slow. The recommendation is that the well be pumped at the rate of four to seven gallons per minute. They recommend the pumping rate be maintained for as long a period of time as possible. They strongly

recommend that water that is pumped from wells not be re-applied to the land surface or back onto the landfill. They say that the landfill has not been constructed to recycle water and is not designed for the purpose; and to use it as such, would only continue the problem. The recommendation is that the water pumped during recovery operations be pumped into trucks and be hauled to approved dump sites or pre-treated and discharged into the nearby stream.

The final recommendation is that further testing be done to standardize the chemical analysis and then proceed with the program.

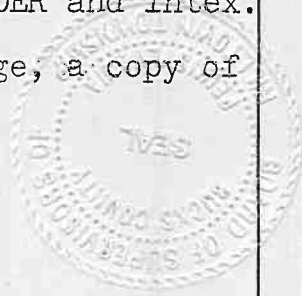
THE DER ROBERT O YOUNG HYDROGEOLOGIST REPORT OF 10/21/80

This Report states that the Wyllie, Hesse and Sekella wells lie in a 200 ft. band and that the houses on either side of this band do not appear to be affected. This indicates a very specific joint and fracture control or very different well construction. The writer concludes that previous samples of the contaminated wells in the area have returned close to background water quality, but the data does not permit this determination to be held as a solid conclusion without pumping the affected wells and the monitoring of wells at the landfill. The recommendation is that the Wyllie Well be pumped daily for several hours or for a period of time and sampled every month for several months; that the Sekella Well still has a pump that should be pumped and sampled at this time; and that further, a new well be drilled at the landfill or the old wells deepened to get a better indication of the actual groundwater quality at the landfill and that any new wells have at least 40 feet of casing.



THE INTEX REPORT

This Report concludes that the leachate contamination results from the failure of the landfill clay liner. They recommend a 300 to 400 ft. deep well for leachate retrieval and conclude that it is imperative to have a high yielding well to retrieve the groundwater and trap it back in a cone so that it can be retrieved at the landfill site. That is, water that has migrated away from the site can be retrieved in that manner. The recommendation is that the foregoing be done and that the disposal of the discharge water be done by hauling away or treating and discharging to the nearby stream. They suggest further that the leachate that's pumped by transferred to the Sewer Authority. However, there is a question as to whether or not this would be accepted. The Report further details how the water level monitoring should be accomplished and how the well sampling of the new well should be done; and that is two weeks to one month for a laboratory analysis and result with its sample to be taken with DER and Intex. The study has six conclusions as shown in the last page, a copy of which is attached hereto.



*Inter*

CONCLUSIONS

1. Horn landfill is the source of groundwater pollution.
2. Leachate flow patterns are in the west-northwest direction of groundwater flow.
3. Concentration of leachate contaminated groundwater are generally decreasing.
4. Water sampling of private wells and landfill wells is recommended to be continued.
5. Future generation of leachate can be curtailed.
6. New landfill well at a depth of 300 to 400 feet is required for abatement program.

BASIS



Union Aid (With Home  
Autony Materials)  
Box 135, North Platte, PA 15950

Comm of PA, DCR

Paul E. Mater, Esq.

Intervenor: Hilltown Township  
Counsel: Charles S. Wilson, Esq.  
2 W. Butler Avenue  
New Britain, PA 18901

COMMONWEALTH:

~~Vernon Don Jackson~~ Federal Savings Bldg. Allentown, PA  
John A. Mardianee  
Bartman & Day

5/345-7000

4-25-77

Appeal filed. (Copy received from Div. of Enforcement. They  
rec'd appeal 4/6/77).

4-27-77

Pre-Hearing Order I-S/M issued, filing due date  
May 25, 1977.

5-19-77

App request for extension of 30 days.

5-20-77

Order: Parties granted to June 20 to file pre-hearing minution.

7-18-77

Comm request for Continuance to Aug 15 for pre-hearing memo.

7-20-77

Order: Parties granted to Aug 15 for pre-hearing memo.

8-10-77

App request to Sept 15 for pre-hearing memorandum.

8-15-77

Order: Parties granted to Sept 15 for pre-hearing memo.

9-14-77

App request for extension to Oct 17 for pre-hearing memo.

9-20-77

Order: Parties granted to Oct 17 for pre-hearing memo.

11-28-77

Bid Status Request due 11/28, 1977.

12-9-77

Comm Status Reports.

12-13-77

Order: Parties granted to Jan 31 for pre-hearing memo.

12-19-77

Petition to Intervene re delay of Hilltown Township filed  
by Chas. Wilson, Esq.

12-21-77

Order: Petition to Intervene (Wilson Assoc) granted. Pre-hearing order  
due Jan 5, 1978.

1-30-78

Comm request for different proceedings to April 10, 1978.

1-31-78

Order: Parties granted to April 10 pending settlement.

1-22-78

Set letter re: status of matter.

1-19-78

Set request for copies of docket entries.

