

INTEROFFICE MEMORANDUM

Date: 08-Jan-1997 10:42am EST
From: John Venezia
VENEZIALE.JOHN
Dept: Water Quality Management
Tel No: (215) 832-6078

TO: Lee Gemmill

(GEMMILL.LEE)

CC: 5 addressees

Subject: Rock Run Pump Station, Valley Twp., Chester Co.

Lee;

As a follow-up to your 12/18/96 memo regarding the Rock Run pump station's (RRPS) hydraulic overload condition, please note the following comments:

1. The RRPS was originally permitted under permit no. 1569495. The permit documents indicate a design capacity of 0.153 mgd (610 per. x 250 gal/per/day), with a pump capacity of 180 gpm at 67 TDH, proposing a 6 in. dia. force main.

2. Recent correspondence, meetings, and conversations with Valley Township engineer, David Johnson of Pennoni Associates, indicate that the pump station's existing pump capacity is 260 gpm at 79 TDH, using a 6 in dia. force main.

3. Recent phone conversations with Pennoni regarding the overflow at the pump station indicate they intend to replace the existing broken 6 in dia. force main with a new 10 in. dia. force main, in order to address the immediate problem and also provide for additional capacity for existing and committed developments. Pennoni claims the expanded capacity will result from the lowering of the TDH from 79 ft. to 65 ft., assuming 1,360 linear ft. of force main is replaced. The pump capacity jumps from 260 gpm to 360 gpm with this TDH reduction, according to Pennoni.

4. I intend to notify Pennoni that a permit is required to construct the proposed expanded capacity of the pump station via the increased diameter of the force main. I do not intend to stop them from installing the larger force main since they need to bring the pump station back on line asap. Also, I expect them to fully explain the history of the RRPS capacity situation since it appears that an expansion had taken place without any permits, ie 180 gpm to 260 gpm. Further more, I expect them to relate the increased capacity to a demand need from existing connections and previously approved but not connected projects. Increasing the size of the RRPS beyond these needs will require a 537 plan approval.

5. Chapter 94 notice of hydraulic overload, in my opinion, should be sent since the existing flows exceed the documented permitted capacity from an

Amended Appendix A-20-b (Rock Run)

annual average, non-peak flow perspective. In other words, I assume the permitted capacity is 61,000 gpd annual average (610 per. x 100 gal/per/day). Records for the past three years provided by Pennoni show over double that amount, on an annual average basis.

6. We met with Valley Township this past December and encouraged them to undertake comprehensive, long-term sewage facilities planning for their entire collection/conveyance system in relation to treatment capacity at CCA.

Any questions or comments, please e-mail. Thanks John.

ER-EP

Amended Appendix A-20-b (Rock Run)

DEPARTMENT OF ENVIRONMENTAL RESOURCES

ENVIRONMENTAL PROTECTION

START

BUREAU/PROGRAM WQM

DIVISION _____

COUNTY/MUNICIPALITY 15956

PROGRAM SE

CASE NAME VALLEY Twp A

FILE P

PERMIT NO. 1569495-^{SS ext} westwood/Wayte/Rockrun

new to Coatesville SMP

ROY F. WESTON
 HARRY H. CURTIN
 JAMES E. GERMAIN
 WALTER E. HOOVER, JR.
 JOHN H. ROBERTSON
 FRANCIS A. SANDERS, Ph.D.
 WILLIAM D. SITMAN
 VERNON T. STACK, JR.
 PAUL H. WOODRUFF
 ROBERT W. BRANDL
 WILLIAM E. DAVIS

ROY F. WESTON
 Environmental
 Scientists and Engineers
 186 LEWIS LANE
 WEST CHESTER - PENNSYLVANIA 19380
 AREA CODE 318 - 672-2828

EDWIN G. BARNHILL
 MARGARET E. BRARA, Ph.D.
 R. H. BROWN
 WILLIAM W. CANN
 DONALD L. COLEMAN
 JOHN A. DE RULPH
 ALFRED C. EBY
 JAMES H. GOUCHERT
 WILLIAM L. GUY
 DALE S. HEE
 EDWARD F. GILBERT, Ph.D.
 ALBERT J. GARDNER
 LEONARD S. GINSBERG
 JACOB A. GIBB
 ALBERT L. HOFFER
 HARRY J. LIND
 THOMAS H. LYN
 EVERETT C. MARSHALL
 BOLE H. MILLER
 ROBERT S. SILVER
 DONALD S. SALINGER
 GEORGE W. SMITH
 GLENNY A. SMITH
 EDWARD J. TEBELMAN
 JOHN S. H. WALSH
 ALVIN W. WOOD
 CONSULTANTS
 JAMES S. MC GILL
 WALTER S. MATTHEWATTE, JR.

2 October 1969

RECEIVED
REGION I
 OCT 3 1969
 PHILADELPHIA OFFICE
 W.O. 233-03

Commonwealth of Pennsylvania
 Department of Health
 Division of Sanitary Engineering
 Broad and Spring Garden Streets
 Philadelphia, Pennsylvania

Attention: Mr. Ira Thompson

Re: Valley Township Municipal Authority
 Chester County, Pennsylvania
 Sanitary Sewer Construction and Pumping
 Station Installation

Gentlemen:

In accordance with the instructions for preparing application for Sanitary Water Board Permits, enclosed you will find the following:

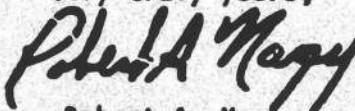
1. Three (3) copies of form HSE-6046
2. Three (3) copies of Module 1
3. Three (3) copies of Module 25
4. Three (3) copies of Module 26
5. One (1) check for Twenty-five Dollars (\$25.00) made payable to the Pennsylvania Department of Health
6. Three (3) sets of Volume II - Detailed Plans and Profiles
7. Three (3) sets of Volume I - Specifications

The facilities under this contract shall convey raw sewage to the Coatesville treatment plant (Permit No. 9654).

2 October 1969

If you have any questions or wish any additional information, please do not hesitate to contact this office.

Very truly yours,



Robert A. Nagy
Project Engineer

RAH:mm

Enclosures

cc: D. A. Darlington
R. P. Relyea
D. N. Bibbo

November 17, 1969

RECEIVED

Subject: Sewerage Application #1569205
Valley Township Municipal Authority
Valley Township
Chester County

Mr. Walter E. Hoover, Jr.
Box P, Keston
1426 Lewis Lane
West Chester, Penna. 19381

Dear Mr. Hoover:

The subject application, which was received October 16, 1969, has been reviewed. The following is a list of revised and/or clarified items and the revisions of the Department's sewerage manual:

- 1) Module page 25-1, Table II: the number in Section 2a-d should be increased to conform to the revised population.
- 2) Module page 25-7, Table III: the water capacity of each pipe must be revised to handle the ultimate rainfall flow rate.
- 3) Module page 25-8: questions 1 & 2 must indicate the number of air stagnation.
- 4) Module page 25-8: question 3 must be revised.
- 5) Module page 25-1, Table I: base of a design storm of 2.5" at 15 min. questions 2a,d should be revised.
- 6) Module page 26-31: Section 1) should be re-written for additional data to determine sewer. This should be further explained.
- 7) Module page 26-1: values must be listed for all sections of the table.
- 8) The plan view must agree with the profile as to slope of pipes between manholes 21-7 to 21-3 and 21-6 to 21-7.
- 9) The profiles between manholes 21-10 to 21-17 should indicate the rise and fall of connecting pipe.
- 10) A landing in the wet well and dry well must be provided at twelve foot increments based on operator reports for the 1968-69 season. The average flow to the street is 1.7 MGD. This information should be re-evaluated, and where necessary, the errors to questions 21-b-2 of module page 26-1 should be revised.
- 11) This office cannot recommend approval of the application until a copy of the agreement between Valley Township and the City of West Chester is received.
- 12) Plan sheet 137 indicates an 8" pipe with a slope of six leading into the wet well. This will not handle the rainfall flow rate.

November 12, 1969

Subject: Sewerage Application #1569495

Accordingly, since this office has a time limit in which to process an application, we will expect to receive, in duplicate, all revised data by November 24, 1969, or we will have no recourse but to recommend refusal of a permit.

Very truly yours,

Joseph A. Fooks
Water Pollution Control Specialist
Sanitary Services Section I

JAF/tn

c.c.1 Chester County Health Department
c.c.1 Mrs. Loris A. Darlington, Chairman



ROY F. WESTON Amended Appendix A-20-b (Rock Run)

ENVIRONMENTAL SCIENTISTS AND ENGINEERS
LEWIS LANE • WEST CHESTER • PENNSYLVANIA

RECEIVED
REGION I

NOV 25 1969

REPLY TO:
LEWIS LANE
WEST CHESTER
PENNSYLVANIA 19380
610-682-6000

18 November 1969

Mr. Joseph A. Feola
Commonwealth of Pennsylvania
Department of Health
Regional Sanitary Engineer (Region No. 1)
Pennsylvania Department of Health
1400 West Spring Garden Street
Philadelphia, Pennsylvania

W. O. 233-03

Re: Valley Township Municipal Authority
Sewerage Application No. 1569495

Dear Mr. Feola:

Enclosed in duplicate are the revisions or clarifications requested
in your letter of 12 November 1969 to:

1. Module, page 25-1
2. Module, page 25-3
3. Module, page 25-4
4. Module, page 26-1
5. Module, page 26-3
6. Module, page 26-4
7. Module, page 26-5
8. Revised sheets 501, 503, 510, 513, 521, 532, 534, 612,
614, 624, 625, 628, 637
9. Detail sheet 637

RECEIVED
NOV 25 1969
ENGINEERING DEPT.
GENERAL OFFICE

Please note also that the steps in both the wet well and dry well are
1 1/4 inch wide ship ladder type treads. It was decided to use a
ship ladder tread versus a landing because of space limitations in

Mr. Joseph A. Feola

-2-

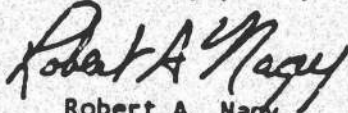
18 November 1969

the four foot round entrance tube. I have enclosed a copy of the catalogue cut of the steps for your approval.

In reference to the agreement between Valley Township and the City of Coatesville, none has been reached but Valley Township is still negotiating for a mutually acceptable agreement. I realize that for final approval of the Health Department, an agreement must be submitted but in the interim for facilitating approval from HUD it is necessary to receive some confirmation from your Department. A letter stating that you have reviewed Valley Township's submittal and that it will be acceptable when the agreement with Coatesville has been reached should be sufficient.

If you have any further questions or comments, please contact me at any time.

Very truly yours,



Robert A. Nagy
Project Engineer

RAN:mm

Enclosures

cc: R. P. Relyea
D. Darlington



ROY F. WESTON

**ENVIRONMENTAL SCIENTISTS AND ENGINEERS
LEWIS LANE • WEST CHESTER • PENNSYLVANIA**

26 November 1969

RECEIVED
REGION 1

DEC 1

APPL TO:
LEWIS LANE
WEST CHESTER
PA 19380

Mr. Joseph A. Feola
Commonwealth of Pennsylvania
Department of Health
Regional Sanitary Engineer (Region No. 1)
Pennsylvania Department of Health
1400 West Spring Garden Street
Philadelphia, Pennsylvania

Re: Valley Township Municipal Authority
Sewerage Application No. 1569495

W. O. 233-03

Dear Mr. Feola:

Enclosed in duplicate are the revisions or clarifications requested
in your letter of 12 November 1969 to:

1. Module, page 25-1
2. Module, page 25-3
3. Module, page 25-4
4. Module, page 26-1
5. Module, page 26-3
6. Module, page 26-4
7. Module, page 26-5

We are truly sorry for any inconvenience we may have caused you
due to the mix-up in the mail.

Very truly yours,

Robert A. Nagy
Project Engineer

RAN:fla

cc: R. P. Relyea

December 11, 1969

CERTIFIED MAIL

Valley Township Municipal Authority
1255 Valley Road
Coatsville, Pennsylvania

SUBJECT: Sewerage Permit No. 1569495

Gentlemen:

The enclosed permit has been issued pursuant to action taken by the Department of Health between sessions of the Sanitary Water Board. Under the provisions of Section 2109 of the Administrative Code of 1929 such action may be rescinded or revoked by the Board at its next session on January 21, 1970. If the Board rescinds or revokes the permit, or takes any other action affecting it, you will be notified.

We believe the permit is self-explanatory. It should be carefully studied and if any conditions are not clear, please contact this office.

Very truly yours,

C. T. Beechwood
Regional Sanitary Engineer
Human Services-Region I

CTB/cb

Enclosures - Permit
Standard Conditions

cc: Chester County Health Department
cc: Office of Management and Board Services
cc: Walter B. Hoover, Jr., P.E.

RECEIVED
REGION I
JAN 26 1970
JEB

January 22, 1970

Certified Mail

Doris A. Darlington, Chairman
Valley Township Municipal Authority
1255 Valley Road
Coatesville, Pennsylvania 19320

In re: Sewerage Application No. 1569495
Valley Township
Chester County

Dear Ms. Darlington:

On December 12, 1969, Sewerage Permit No. 1569495 was issued subject to review by the Sanitary Water Board at its January 21, 1970 meeting.

The Board, upon reviewing the action taken by the Department of Health, directed that a further study be made of the application and, that the case be presented to the Board for review on February 18, 1970. Therefore, final approval of this permit is still pending.

If you have any questions relative to this matter, please feel free to contact us.

Very truly yours,

By direction of the Board

Marshall Cashman
Acting Secretary
Sanitary Water Board

MC:GB:ajp
cc: Mail Clerk
File
Div. of Water Supply & Sewerage
Reg. San. Engr., Region I, Philadelphia

DATE PREPARED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

For Department of Health use only
APPLICATION REVIEWED BY
RECEIVED
REGION
OCT 3 1969

APPLICATION FOR SANITARY WATER BOARD PERMIT

APPLICANT NAME Valley Township Municipal Authority	PROJECT LOCATION PHILADELPHIA DISTRICT
TELEPHONE NO.	(A) MUNICIPALITY Valley Township
MAILING ADDRESS 1255 Valley Road Coatesville, Pennsylvania	(B) COUNTY Chester County

HEREBY APPLIES FOR: (CHECK APPROPRIATE BLOCKS IN COLUMNS A, B AND C)

A. APPROVAL OF PLANS FOR CONSTRUCTION OF: <input checked="" type="checkbox"/> PUMP STATIONS, SEWERS AND APPURTENANCES <input type="checkbox"/> SEWAGE TREATMENT PLANT <input type="checkbox"/> MINE DRAINAGE TREATMENT PLANT <input type="checkbox"/> INDUSTRIAL WASTE TREATMENT PLANT	B. APPROVAL TO DISCHARGE: (1) <input type="checkbox"/> TREATED <input checked="" type="checkbox"/> UNTREATED (2) <input type="checkbox"/> INDUSTRIAL WASTES <input type="checkbox"/> MINE DRAINAGE <input type="checkbox"/> SEWAGE	C. APPROVAL TO OPERATE: <input type="checkbox"/> COAL MINE <input type="checkbox"/> MINE
--	---	--

(ALL DISCHARGES OF WASTES ARE PURSUANT TO "THE CLEAN STREAMS LAW")

I HEREBY CERTIFY THAT THE COMPLETENESS REPORT AND ALL PLANS, MODULES, AND DOCUMENTS DESIGNATED THEREIN ARE ATTACHED TO THIS APPLICATION, AND MADE A PART HEREOF.

Doris A. Darlington
SIGNATURE OF APPLICANT OR RESPONSIBLE OFFICIAL

NAME OF APPLICANT OR RESPONSIBLE OFFICIAL: Doris A. Darlington	TITLE Chairman	DATE OF APPLICATION 10/1/69
--	--------------------------	---------------------------------------

ADDRESS

AFFIDAVIT
COMMONWEALTH OF PENNSYLVANIA, COUNTY OF Chester

I, Doris A. Darlington BEING DULY SWORN, ACCORDING TO LAW, DEPOSE AND SAY THAT I (AM THE APPLICANT) (AM AN OFFICER OR OFFICIAL OF THE APPLICANT) (HAVE THE AUTHORITY TO MAKE THIS APPLICATION) AND THAT THE PLANS, REPORTS AND DOCUMENTS SUBMITTED AS PART OF THE APPLICATION ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

SWORN AND SUBSCRIBED TO BEFORE ME THIS
1ST DAY OF October 1969

Robert W. Small
BY COMMISSIONER OF HEALTH
JANUARY 23, 1878

Doris A. Darlington
SIGNATURE OF APPLICANT OR RESPONSIBLE OFFICIAL

THE SECTION BELOW IS TO BE COMPLETED BY THE DESIGN ENGINEER (OR SURVEYOR) AUTHORIZED BY THE APPLICANT TO PREPARE THIS APPLICATION

NAME OF DESIGN ENGINEER (OR SURVEYOR) AND FIRM ROY F. WESTON (Walter E. Hoover, Jr.)	DESIGN ENGINEER'S (OR SURVEYOR'S) SEAL
MAILING ADDRESS Lewis Lane, West Chester, Pa.	TELEPHONE NUMBER 692-3030
AGREEMENT DATE	SIGNATURE OF DESIGN ENGINEER (OR SURVEYOR) <i>Walter E. Hoover</i>

DATE PREPARED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

For Department of Health use only

APPLICANT NO.	
REVIEWER'S DIV.	

MODULE 1 - COMPLETENESS REPORT

CHECK (3) TYPE OF PERMIT APPLIED FOR
 FW D MD

DESIGN ENGINEER AND FIRM ROY F. WESTON

ADDRESS Leola Lane, West Chester, Pa. ZIP 19380 TELEPHONE 638-3000

APPLICANT Valley Township Municipal Authority

LOCATION OF PROJECT: MUNICIPALITY Valley Township, Pa. COUNTY Chester

A. DOCUMENTATION REQUIRED

- Has a check for \$25.00 payable to The Pennsylvania Department of Health been included? (Not required of State or Federal agencies) YES NO NA
 - Have 2 copies of the application, form number HSE-6045, been submitted? (4 copies required for mine drainage applicants) YES NO
 - Has the affidavit been properly completed and executed? YES NO
- NOTE:** Only Industrial Waste Applicants complete item 2b
- Has proof of publication been ascertained? YES NO NA

3. Does the application include the following applicable modules: *Check Modules Submitted:

a. Module Number	Title	Number of Pages	1	2	3
1	Completeness Report		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	General Information Industrial Wastes Only		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	General Information Mine Drainage Only		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	General Information Sewage Treatment Plant Only		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Waste Load and Characteristics	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Waste Stabilization Pond Facilities	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Aeration Tank or Basin Facilities	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Mixing and Flocculation Facilities	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	Chemical Treatment (Including Feeders)	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	Trickling Filters	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DEPARTMENT OF HEALTH
 DIVISION OF SANITARY ENGINEERING
 APPLICATION NO. 10-3-69
 RECEIVED JUN 18 1969
 NO. OF VOLUMES 1 OF 1

* Design Engineer will check type of permit applied for and all appropriate modules.

DESIGNER'S NAME AND ADDRESS

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

For Department of Health and only
APPLICATION NO. _____
REVISIONS NO. _____ DATE _____

CHECK ONE TYPE OF PERMIT APPLIED FOR
 10 11 12

MODULE 1 - COMPLETENESS REPORT

A. DOCUMENTATION REQUIRED - Continued

Module Number	Title	Number of Pages	*Check Modules Submitted		
			S	12	13
11	Intermittent Sand Filter Facilities	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Sludge Treatment and Disposal Facilities				
12.0	Vacuum Filters and Centrifuges	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.1	Incineration	1	<input type="checkbox"/>		<input type="checkbox"/>
12.2	Sludge Lagoons	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.3	Wet Oxidation	1	<input type="checkbox"/>		<input type="checkbox"/>
12.4	Electriation	1	<input type="checkbox"/>		
12.5	Sludge Drying Beds	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12.6	Separate Digestion Tanks and Sludge Thickening Tanks	3	<input type="checkbox"/>		<input type="checkbox"/>
12.7	Deep Mine Disposal	2		<input type="checkbox"/>	<input type="checkbox"/>
12.8	Land Disposal of Sludge	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	Pumping Facilities	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	Earthen Settling Basins	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	Flotation and Oil Separation	2			<input type="checkbox"/>
16	Screening and Comminuting Devices	2	<input type="checkbox"/>		<input type="checkbox"/>
17	Grit Chambers	1	<input type="checkbox"/>		<input type="checkbox"/>
18	Physical Adsorption and Contact Units	2	<input type="checkbox"/>		<input type="checkbox"/>
19	Spray Irrigation	2	<input type="checkbox"/>		<input type="checkbox"/>
20	Disinfection Facilities	2	<input type="checkbox"/>		<input type="checkbox"/>
21	Settling Tank Facilities	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	Flow Equalization and Storage Basins	2		<input type="checkbox"/>	<input type="checkbox"/>
23	Deep Well Disposal	2		<input type="checkbox"/>	<input type="checkbox"/>
24	Ion Exchange Units	1		<input type="checkbox"/>	<input type="checkbox"/>

* Design Engineer will check type of permit applied for and all appropriate modules.

100-666-1
DATE PREPARED _____
CHECK (X) TYPE OF PERMIT APPLIED FOR
 IW S MD

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING
MODULE I - COMPLETENESS REPORT

For Department of Health use only
APPLICATION NO. _____
REVIEWER'S INIT. _____ DATE _____

A. DOCUMENTATION REQUIRED - Continued

Module Number	Title	Number of Pages	*Check Modules Submitted:		
			S	MD	IW
25	Sewage Pumping Stations	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
26	Sewers and Appertenances	3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	Imhoff and Septic Tanks	2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B. REQUIRED DATA

1. The front cover or flyleaf of each set of drawings and specifications must bear the signature and seal of the registered professional engineer, surveyor by or under whom prepared. Each drawing must bear an imprint or reasonable facsimile of such seal.
2. Information relative to specific programs:
 - a. SEWERAGE APPLICANTS must submit the following information and answer all questions:
 - (1) 2 copies of designer's plans, modules and specifications (3 copies required for projects in Allegheny County and Delaware River Basin.)
 - (2) Hydraulic profile through proposed treatment plant.
 - (3) United States Geological Survey Topographical Map showing exact point of discharge.
 - (4) Have you applied for a Public Utility Commission Certificate of Public Convenience?
 - (a) Specify Public Utility Commission Application Number _____.
 - (b) Certificate of Public Convenience enclosed?
 - (5) Have you applied for Water and Power Resources Board approval for stream encroachment(s)?
 - (6) Have you applied for Department of Labor and Industry approval for features affecting employee safety?
 - (7) Do you have an agreement indicating approval to discharge to sewer system and treatment plant of another permittee?
 - (8) Have you applied for Air Pollution Control Commission approval for features requiring air pollution control?
 - (9) A list with the name, title and address of all partners in the case of a partnership or all officers in case of a corporation, unincorporated association, incorporated association, partnership or other entity.

NA

NA

YES NO NA

YES NO

YES NO NA

YES NO NA

YES NO NA

YES NO NA

YES NO NA

NA

Mrs. Doris Darlington, Chairman
1255 Valley Road
Coatesville, Pennsylvania
384-4071

Mrs. Betty Benner, Secretary
42 Spruce Street
Coatesville, Pennsylvania
384-4071

Mr. Lester J. Helm, Vice Chairman
R.D. 1
Coatesville, Pennsylvania
384-3279

Mr. Lee Carter
9215 West Main Street
Coatesville, Pennsylvania
384-8270

Mr. William Lees, Treasurer
160 Country Club Road
Home: 384-4809
Business: 383-2200



DATE PREPARED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

Per Department of Health use only

APPLICATION NO.

REVIEWER'S INIT. DATE

MODULE 1 - COMPLETENESS REPORT

CHECK (X) TYPE OF PERMIT APPLIED FOR

IW S MD

B. REQUIRED DATA - Continued

b. **INDUSTRIAL WASTES APPLICANTS** must submit the following information and answer all questions:

- (1) 2 copies of designer's plans, modules and specifications (3 copies required for projects in Delaware River Basin).
- (2) Schematic flow diagram of waste treatment plant.
- (3) United States Geological Survey Topographical Map showing exact point of discharge.
- (4) Have you applied for Water and Power Resources Board approval for stream encroachments? YES NO NA
- (5) A list with the name, title and address of all partners in the case of a partnership or all officers in case of a corporation, unincorporated association, incorporated association, partnership or other entity. NA
- (6) Have you applied for Air Pollution Control Commission approval for features requiring air pollution control? YES NO NA

c. **MINE DRAINAGE APPLICANTS** must submit the following information and answer all questions:

- (1) 3 copies of designer's plans, modules and specifications.
- (2) All names under which the applicant previously operated coal mines in Pennsylvania.
- (3) A list with the name, title and address of all partners in the case of a partnership or all officers in case of a corporation, unincorporated association, incorporated association, partnership or other entity.
- (4) A list of the owners for both the affected and adjacent surface properties and mineral rights.
- (5) Copy of all leases you have obtained from affected property owners granting to you the right to take whatever measures are necessary during and after mining to abate pollution.
- (6) United States Geological Survey Topographical Maps.
- (7) Mine development maps.
- (8) Plans of treatment facilities. NA
- (9) Have you applied for Water and Power Resources Board approval for stream encroachment(s)? YES NO NA

DATE PREPARED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

For Department of Health use only	
APPLICATION NO.	
REVIEWER'S INIT.	DATE

MODULE I - COMPLETENESS REPORT

CHECK (3) TYPE OF PERMIT APPLIED FOR
 1 2 3

B. REQUIRED DATA - Continued

(10) Have you applied for Department of Mines and Mineral Industries approval for the mine? YES NO

(11) Have you applied for Air Pollution Control Commission approval for features requiring air pollution control? YES NO NA

5. Specify the following:

Valley Twp. Municipal Authority

a. Plans: Sanitary Sewers System Number of Folios 3 Date 18 September 1969
Divisions A, B, C
Volume II

Plans: _____ Number of Folios _____ Date _____
TITLE

Plans: _____ Number of Folios _____ Date _____
TITLE

Plans: _____ Number of Folios _____ Date _____
TITLE

b. Specifications (if applicable): Valley Twp. Municipal Authority, Sanitary Sewer System, Divisions A, B, C - Volume I

Number of Volumes 3 Date 18 September 1969

c. Other (Specify type and number):

6. Are the plans:

a. Clear, legible and drawn to scale? YES NO

b. Within maximum size of 36 inches by 50 inches? YES NO

C. SEAL AND SIGNATURE OF PROFESSIONAL ENGINEER OR SURVEYOR RESPONSIBLE FOR THIS APPLICATION

1. Signature of Professional Engineer or Surveyor:

Walter E Hoover Jr

Walter E. Hoover, Jr.
ROY F. WESTON

2. Professional Engineer or Surveyor Registration Seal:

SEAL

DATE PREPARED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

For Department of Health use only

Amended Appendix A-20-b (Rock Run)

CHECK (X) TYPE FOR PERMIT APPLIED FOR
 S

MODULE 25 -- SEWAGE PUMPING STATIONS

REVIEWER'S INIT.

DATE

STREET LOCATION Old Wagontown Road.

PLAN SHEET NUMBER 532

CLASS OF CONSTRUCTION

NEW

ADDITIONS AND/OR

(Check off applicable blocks):

REPLACEMENT OF EXISTING UNIT(S)

MODIFICATIONS TO EXISTING UNIT(S)

NOTE: SUBMIT SEPARATE MODULE FOR EACH PUMPING STATION

TABLE I DESIGN LOADING INFORMATION

1. POPULATION TO BE SERVED:	INITIAL	DESIGN	DESIGN YEAR
	550	610	1980
2. DESIGN FLOW DATA	RATE (GPCD)		RATE (MGD)
a. MAXIMUM FLOW RATE (Based only on design population to be served)	250		0.153
b. MAXIMUM INDUSTRIAL WASTE FLOW RATE			0
c. MAXIMUM INFILTRATION RATE			0
d. MAXIMUM DESIGN FLOW RATE			0.153

TABLE II FACILITIES DESIGN INFORMATION

1. PROBABILITY OF FLOODING AND POWER FAILURE IS ONCE IN <u>100</u> YRS.		
2. ELEVATION INFORMATION	a. MAXIMUM WATER ELEVATION IN COLLECTION SYSTEM AT A POWER FAILURE	324.3
	b. OVERFLOW LEVEL IN WET WELL	324.3
	c. LOWEST BASEMENT FLOOR IN SYSTEM CONNECTED TO PUMP STATION	326
3. CAPACITY AND OPERATION	a. EFFECTIVE WET WELL CAPACITY (Gal.)	780
	b. DETENTION TIME (Min.)	5
	c. (1) TYPE OF MATERIAL	Cast Iron
	(2) LENGTH (Ft.)	3335
	(3) DIAMETER (In.)	6
(4) DESIGN AVERAGE VELOCITY (FPS)	2.04	
d. COMPUTED TOTAL DYNAMIC HEAD (PUMP STATION + FORCE MAIN) <u>63</u> Ft.		

DATE PREPARED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

For Department of Health use only
APPLICATION NO.
REVIEWER'S INIT. DATE

CHECK (IN TYPE OF PERMIT APPLIED FOR)

MODULE 25 - SEWAGE PUMPING STATIONS

TABLE III PUMPING FACILITIES

UNIT NO.	CHECK TWO ITEMS (If pump, specify type)	CHECK ONE ITEM	RATED CAPACITY (GPM)	RATED HEAD (Ft.)	PIPE SIZE (In.)	
					SUCTION	DISCHARGE
1	<input type="checkbox"/> EJECTOR <input checked="" type="checkbox"/> PUMP <u>Centrifugal</u> <input type="checkbox"/> EXISTING <input checked="" type="checkbox"/> PROPOSED <input type="checkbox"/> STANDBY	<input checked="" type="checkbox"/> BUBBLER <input type="checkbox"/> SEALED ELECTRODE <input type="checkbox"/> FLOAT <input type="checkbox"/> OTHER (Specify) _____	180	67	6	6
1	<input type="checkbox"/> EJECTOR <input checked="" type="checkbox"/> PUMP <u>Centrifugal</u> <input type="checkbox"/> EXISTING <input checked="" type="checkbox"/> PROPOSED <input type="checkbox"/> STANDBY	<input checked="" type="checkbox"/> BUBBLER <input type="checkbox"/> SEALED ELECTRODE <input type="checkbox"/> FLOAT <input type="checkbox"/> OTHER (Specify) _____	180	67	6	5
	<input type="checkbox"/> EJECTOR <input type="checkbox"/> PUMP _____ <input type="checkbox"/> EXISTING <input type="checkbox"/> PROPOSED <input type="checkbox"/> STANDBY	<input type="checkbox"/> BUBBLER <input type="checkbox"/> SEALED ELECTRODE <input type="checkbox"/> FLOAT <input type="checkbox"/> OTHER (Specify) _____				
	<input type="checkbox"/> EJECTOR <input type="checkbox"/> PUMP _____ <input type="checkbox"/> EXISTING <input type="checkbox"/> PROPOSED <input type="checkbox"/> STANDBY	<input type="checkbox"/> BUBBLER <input type="checkbox"/> SEALED ELECTRODE <input type="checkbox"/> FLOAT <input type="checkbox"/> OTHER (Specify) _____				
	<input type="checkbox"/> EJECTOR <input type="checkbox"/> PUMP _____ <input type="checkbox"/> EXISTING <input type="checkbox"/> PROPOSED <input type="checkbox"/> STANDBY	<input type="checkbox"/> BUBBLER <input type="checkbox"/> SEALED ELECTRODE <input type="checkbox"/> FLOAT <input type="checkbox"/> OTHER (Specify) _____				
	<input type="checkbox"/> EJECTOR <input type="checkbox"/> PUMP _____ <input type="checkbox"/> EXISTING <input type="checkbox"/> PROPOSED <input type="checkbox"/> STANDBY	<input type="checkbox"/> BUBBLER <input type="checkbox"/> SEALED ELECTRODE <input type="checkbox"/> FLOAT <input type="checkbox"/> OTHER (Specify) _____				

CHECK IN TYPE OF PERMIT APPLIED FOR
 S

MODULE 25 - SEWAGE PUMPING STATIONS

REVISIONS
DATE

GENERAL INFORMATION

1. The wet well ventilation is continuous at _____ air changes per hour.
 intermittent at 37 air changes per hour.
2. The dry well ventilation is continuous at _____ air changes per hour.
 intermittent at 37 air changes per hour.
3. If no grit removal facilities precede pump stations, is wet well and pump piping designed to prevent grit settling in discharge lines of pumps that are not operating? YES NO NA
4. Are wet and dry wells, including their superstructures, completely separated? YES NO
5. Specify the type of access to dry and wet wells: Dry well and wet well access is by manhole frame and aluminum ladders.
6. Are pumps, except ejectors, handling raw sewage protected by bar screens (2 inches maximum clear opening) or comminutors? YES NO NA
7. Maximum size of sphere passed by pumping facilities: 3 inches
8. Does electrical equipment in enclosed places where gas may accumulate comply with National Board of Fire Underwriter's specifications for hazardous conditions? YES NO
9. Does each pump have a separate intake? YES NO
10. Is a separate dry well sump pump provided with discharge to wet well above overflow elevation? YES NO
11. Under normal conditions, will pumping facilities operate under a positive suction head? YES NO
12. Are shutoff valves provided for each pump suction and discharge line with a check valve between the shutoff valve and pump on the discharge line? YES NO
13. Are wet well hopper side slopes at a minimum of 1 to 1 and the hopper bottom horizontal area no larger than necessary? YES NO
14. Do wet wells containing equipment requiring inspection and maintenance have a ventilation system independent of dry well system? YES NO
15. Is there any physical connection between the potable water supply and sewage pump station facilities? YES NO NA
16. Are automatic air relief valves provided at high points in force main? YES NO
17. If no overflow is provided, are two independent generating sources provided? YES NO NA
18. If no overflow is provided, is emergency power equipment provided? YES NO NA
19. Specify type of emergency equipment: _____

DATE PREPARED

For Department of Health use only
APPLICATION NO.
REVIEWER'S INIT. DATE

Amended Appendix A-20-b (Rock Run)

CHECK THE TYPE OF PERMIT APPLIED FOR
 1 2

MODULE 25 - SEWAGE PUMPING STATIONS

A. GENERAL INFORMATION - Continued

19. If overflow is provided, what provisions have been made to minimize objectionable conditions during emergency use of overflow?

A telemetered warning signal will be transmitted to the sewage
treatment plant where an operator will be dispatched to the
pumping station to eliminate the problem.

20. Do the existing sewers to which the proposed pump station and force main will connect have adequate capacity to convey the additional flow?

YES NO

NOTE: ON THE PLANS, INDICATE THE PERMIT NUMBER OF THE EXISTING SEWER AT THE PROPOSED POINT OF CONNECTION AND THE NAME OF THE PERMITTEE.

DATE PREPARED
[]

REVIEWER'S INIT. [] DATE []

CHECK (X) TYPE OF PERMIT APPLIED FOR
 S

MODULE 26 - SEWERS AND APPURTENANCES

CLASS OF CONSTRUCTION
(Check off applicable blocks):
 NEW SYSTEM
 REPLACEMENT OF EXISTING SYSTEM
 EXTENSION(S) TO EXISTING SYSTEM

TABLE I DESIGN FLOW AND LOADING INFORMATION

1. POPULATION TO BE SERVED:	INITIAL 2568	DESIGN 22473	DESIGN YEAR 2020
2. AREA TO BE SERVED:	ACRES (Initial) 603	ACRES (Future) 4122	
3. a. LATERALS AND SUB-MAIN SEWERS (GPCD)		400	
b. MAIN AND TRUNK SEWERS (GPCD)		250	
c. INTERCEPTORS (GPCD)		250	
(1) MEASURED DRY-WEATHER FLOW (%)		---	
(2) ESTIMATED DRY-WEATHER FLOW (%)		---	
4. IF ANY VALUES LESS THAN PRESCRIBED IN MANUAL, EXPLAIN:			
4. DESIGN FLOW DATA	GPCD	MGD	
a. AVERAGE DAILY FLOW	100	2.25	
b. INFILTRATION		--	
c. MAXIMUM INDUSTRIAL WASTE FLOW		--	
d. TOTAL DESIGN FLOW		2.25	
e. MAXIMUM FLOW RATE		250% of Avg daily = 5.63	

TABLE II GENERAL DESIGN

PIPE DIAMETER (In.)	MINIMUM SLOPE (%)	MAXIMUM SLOPE (%)	MAXIMUM VELOCITY (FPS)	MAXIMUM DISTANCE BETWEEN MANHOLES (Ft.)		TYPE OF SEWER MATERIAL	"N" VALUE
				SEWERS 15 In. OR LESS	SEWERS 18 In. TO 30 In.		
8	0.4	15	15	400		A.C. or V.C.	0.013
10	0.50	12	15	400		A.C. or V.C.	0.013
12	0.55	1.8	6.1	400		A.C. or V.C.	0.013
14	0.40	2.0	7.2	400		A.C. or V.C.	0.013
15	0.35	0.35	3.1	400		A.C. or V.C.	0.013
(USE ADDITIONAL SHEETS IF NECESSARY)							

TABLE III CRITICAL DATA - (Complete only when recommended design standards are not met)

PLAN SHEET NO.	MANHOLE NO.		SEWER PIPE SIZE (In.)	SEWER SLOPE (%)	POPULATION SERVED	TOTAL DESIGN FLOW (MGD)	SEWER FLOWING FULL		MAXIMUM FLOW VELOCITY (FPS)
	From	To					VEL. (FPS)	CAP. (MGD)	

1001-0001-01

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

APPLICATION NO.	
REVIEWER'S DIV.	DATE

DATE PREPARED

MODULE 26 - SEWERS AND APPURTENANCES

CHECK (X) TYPE OF PERMIT APPLIED FOR

S

A. GENERAL INFORMATION

1. Are the proposed sewers designed as separate sanitary sewers? YES NO
 - a. If no, explain in detail, including the possible effects upon water courses:

2. Are the proposed sewers deep enough to serve all adjacent basements? YES NO
 - a. If no, explain: designed for economic feasibility using design standard of eleven (11) feet. Houses that are critical are indicated on plans and profiles.
3. Are there any overflows or bypasses other than from pump stations? YES NO
 - a. If yes, specify plan sheet(s) where shown _____.
4. Where smaller sewers join larger ones, have the inverts of the larger sewers been lowered sufficiently to maintain the same energy gradient? YES NO NA
5. Specify the type of leakage test (infiltration and/or exfiltration) and the limits used, preferably in terms of gallons per inch of pipe diameter per mile per day. (Indicate volume and page number in specification s)
 Type and limits: Exfiltration and Infiltration 100 gallons per inch of internal diameter per mile; Volume 1, Section 15.4, Page 8.
6. Have provisions been made to protect sewers at velocities of over 15 feet per second? YES NO NA
 - a. Are sewers secured with concrete anchors (or equal) spaced as required? YES NO NA
7. Are manholes provided at all changes in size, grade, alignment and sewer intersections? YES NO
8. Are drop manholes provided where the entrance sewer invert is 24 inches or more above manhole invert? YES NO
9. Are watertight covers used where manholes are subject to flooding by street runoff or high water? YES NO
10. Are sewers in streams protected with at least 1 foot cover in rock and 3 feet cover in other material? YES NO NA
11. Are sewers in streams constructed to remain watertight and in alignment? YES NO NA

DATE PREPARED

For Department of Health use only
APPLICATION NO. _____
NEVER EXPIRES DATE _____

MODULE 26 - SEWERS AND APPURTENANCES

CHECK (X) TYPE OF PERMIT APPLIED FOR
 S

Amended Appendix A-20-b (Rock Run)

A. GENERAL INFORMATION - Continued

12. Does the application involve capped sewers? YES NO

a. If yes, specify plan sheet number. _____

13. How many inverted siphons are included in this design? None

14. If siphons are included, specify the following:

SIPHON _____	SIPHON _____	SIPHON _____

a. Number of barrels

b. Minimum pipe size

c. Minimum velocity at average flow

d. Has provision been made for flushing, rodding and maintenance? YES NO

15. Is there any connection between the sewer and a public or private potable water supply or appurtenances? YES NO

16. Are any water supply sources located within 200 feet of the sewers? YES NO

a. If yes, specify plan sheet(s) on which sources are shown _____

17. Are sewers at least 10 feet horizontally from water lines and at least 18 inches below the water line? YES NO

18. If the proposed facility will discharge to the sewer system and treatment plant of another municipality, have appropriate agreements been reached? YES NO NA

a. Is the agreement a certified agreement? YES NO NA

b. Is the agreement a letter of intent? YES NO NA

c. Have duplicate copies been enclosed? YES NO

19. Do the existing sewers to which the proposed sewers will connect have adequate capacity to convey the additional flow? YES NO NA

20. On the plans, indicate the permit number of existing sewer at each proposed point of connection and the name of the permittee, specify plan sheet number(s) on which indicated: 501, 510, 534 NA

DATE PREPARED

CHECK (X) TYPE OF PERMIT APPLIED FOR
 S

GENERAL INFORMATION - CONTINUED

21. RECEIVING SEWAGE TREATMENT PLANT (FILL IN FOR EXTENSION(S) TO EXISTING SYSTEM ONLY)

A. OWNER OF PLANT: City of Coatesville

B. DISCHARGE DATA:

	WASTE FLOW (MGD)	SOLIDS		BOD 5 DAY 20°C (#/DAY)
		SUSPENDED (#/DAY)	SETTLABLE (#/DAY)	
1. ALLOWABLE LOAD TO STREAM AUTHORIZED UNDER PRESENT PERMIT.	Using 3.85	30,000 P.E. and 85% treatment	765	765
2. PRESENT LOAD TO STREAM FROM TREATMENT PLANT.	1.9	269	0	238
3. ADDITIONAL LOAD TO STREAM EXPECTED DURING THE NEXT FIVE YEARS FROM EXISTING SYSTEM.	-.06	Caln Twp. is considering elimination of pumping sewage to Coatesville.		
4. ADDITIONAL LOAD TO STREAM DURING THE NEXT FIVE YEARS FROM PROPOSED EXTENSION.	.38	54	0	48
5. TOTAL ANTICIPATED LOAD TO STREAM IN NEXT FIVE YEARS (2+3+4)	2.22	423	0	286

C. TREATMENT PLANT OPERATING EFFICIENCY:

	SOLIDS		BOD 5 DAY 20°C (%)
	SUSPENDED (%)	SETTLABLE (%)	
1. PRESENT TREATMENT PLANT	95	99	95
2. AFTER INITIAL LOAD FROM PROPOSED EXTENSION	95	99	95
3. IN FIVE YEARS	95	99	95

22. WILL THE LOAD UNDER 21, B.5 ABOVE PRODUCE AN EFFLUENT THAT WILL HAVE AN ADVERSE EFFECT UPON THE RECEIVING STREAM?

Yes X No

A. IF YES, EXPLAIN:

B. IF APPLICANT IS NOT OWNER OF THE RECEIVING SEWAGE TREATMENT PLANT INDICATE SOURCE OF INFORMATION:

Penna. Dept. of Health and Laboratory reports received from the plant manager.

Amended Appendix A-20-b (Rock Run)

DATE PREPARED

CHECK TO TYPE OF PERMIT APPLIED FOR

MODULE 25 - SOLIDS AND APPURTENANCES

REVISIONS LIST

TO BE COMPLETED BY THE REGIONAL SANITARY ENGINEERS:

1. WILL THE LOAD UNDER 21, B.5 MEET THE PERMIT REQUIREMENTS:

YES NO

A. WILL THE LOAD UNDER 21, B.5 CAUSE POLLUTION OF THE RECEIVING STREAM?

YES NO

2. IS THERE ANY QUESTION AS TO WHETHER THE LOAD IS NOW OR WILL CAUSE POLLUTION?

YES NO

A. IF YES, COMPLETE A POLLUTION REPORT.

3. IS THE TREATMENT PLANT IN COMPLIANCE?

YES NO

APPLICATION NO. 1569495	
REVIEWER'S INIT. JF	DATE 12-11-69

INTERNAL REVIEW AND RECOMMENDATIONS

REGIONAL ENGINEER'S REVIEW

DISCUSSION: (USE ADDITIONAL SHEETS IF NECESSARY)

Application No. <u>Name & Location</u>	Type <u>Sewerage</u>	Discharge To; Degree <u>of Treatment Provided</u>	Remarks
No. 1569495 Valley Twp. Mun. Auth. Valley Township Chester County	Sewer Extension	Existing City of Coatesville sewer system; City of Coatesville Treatment Plant; discharge to West Branch Brandywine Creek Tributary of Delaware River (Delaware Basin). Complete Treatment	To serve 2,568 persons initially; 22,473 persons ultimately

RECOMMENDATION AND ACTION

APPROVAL - RELEVANT LAWS, REGULATIONS, STANDARDS AND POLICIES HAVE BEEN COMPLIED WITH:

ISSUE BY REGION	ISSUE BY CENTRAL OFFICE	ISSUE BY SANITARY WATER BOARD	REFUSE	SIGNATURE	DATE
<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<i>Joseph A. F. ...</i> REVIEWING ENGINEER	12-11-69
<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<i>Dean ...</i> FACILITIES ENGINEER	12-11-69
<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<i>...</i> REGIONAL ENGINEER	12-11-69
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SECTION CHIEF	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	DIVISION DIRECTOR	

PERMIT CONDITIONS:

- Standard - 1,2,3,4,5,6,7,9,10,11,13,14,15,17,18,25 and 27
- Special - (USE ADDITIONAL SHEETS IF NECESSARY) **None V (Pumping Station overflow)**

HSR-0120.1

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

SANITARY WATER BOARD PERMIT

NO. 156295

A. PERMITTEE: (Name and Address) <u>Valley Township Municipal Authority</u> <u>1235 Valley Road</u> <u>Conestoga, Pennsylvania</u>	B. PROJECT LOCATION Municipality <u>Valley Township</u> County <u>Chester</u>
C. TYPE OF FACILITY <u>Sewer Extension</u>	D. NAME OF MINE OR AREA SERVED <u>Westwood-Hayti-Rock Run</u>

E. THIS PERMIT APPROVES: 1. Plans For Construction Of: a. <input checked="" type="checkbox"/> Pump Stations; Sewers and Appurtenances b. <input type="checkbox"/> Sewage Treatment Facilities c. <input type="checkbox"/> Industrial Wastes Treatment Facilities	2. The Discharge Of: N.A. a. <input type="checkbox"/> Treated <input type="checkbox"/> Untreated b. <input type="checkbox"/> Industrial Wastes <input type="checkbox"/> Sewage TO: _____ (Receiving Waters)	3. The Operation Of: N.A. a. <input type="checkbox"/> A Coal Mine Maximum surface area to be affected shall not exceed _____ acres. (Surface Mines) Maximum area to be deep mined _____ acres.
--	--	--

F. YOU ARE HEREBY AUTHORIZED TO CONSTRUCT, OPERATE OR DISCHARGE, AS INDICATED ABOVE, PROVIDED THAT YOU COMPLY WITH THE FOLLOWING:

- ALL REPRESENTATIONS REGARDING OPERATION, CONSTRUCTION, MAINTENANCE AND CLOSING PROCEDURES AS WELL AS ALL OTHER MATTERS SET FORTH IN YOUR APPLICATION AND ITS SUPPORTING DOCUMENTS (APPLICATION NO. 156295 DATED 10-1-69, AND AMENDMENTS DATED 11-18-69) SUCH APPLICATION, ITS SUPPORTING DOCUMENTS AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.
- CONDITIONS NUMBERED 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 13, 14, 15, 17, 18, 25 & 27 OF THE Sewerage STANDARD CONDITIONS DATED 11-1-62, WHICH CONDITIONS ARE ATTACHED HERETO AND ARE MADE A PART OF THIS PERMIT.
- SPECIAL CONDITION(S) NUMBERED 1 WHICH ARE ATTACHED HERETO AND ARE MADE A PART OF THIS PERMIT.

G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

- IF THERE IS A CONFLICT BETWEEN THE APPLICATION OR ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.
- FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE SANITARY WATER BOARD OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.
- THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, THE ACT OF JUNE 22, 1937, P.L. 1967, AS AMENDED. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.

PERMIT ISSUED
DATE

DEPARTMENT OF HEALTH
BY [Signature]
TITLE Regional Sanitary Engineer
Area Services-Region I

**SEWERAGE PERMIT
1569495**

Page 2

This permit is subject to the following Special Conditions:

- I. The approval of the overflow line from the pumping station is contingent upon its use only in case of power or equipment failure. Should the use of the line become frequent or should objectionable conditions result therefrom, the permittee shall, when directed by the Sanitary Water Board, submit plans for and install equipment to prevent such discharge or overflow.



Amended Appendix A-20-b (Rock Run)
Pennsylvania Department of Environmental Protection

Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428

January 28, 1998

Southeast Regional Office

610-832-6130
Fax 610-832-6133

Mr. Koon
Valley Township
P.O. Box 467
890 W. Lincoln Highway
Coatesville, PA 19320

Re: Sewerage Permit No. 1597414
Rock Run Pump Station Modification
Valley Township
Chester County

Dear Mr. Koon:

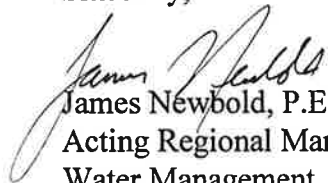
Referenced permit is enclosed.

Construction of this project can not begin until a General Permit (GP) for the outfall structure/utility line crossing has been obtained. If you have not yet obtained the GP for this encroachment, please contact Mr. Ken Anderson at 610-832-6115.

Please study the permit carefully and direct any questions to the Permits Section of this office.

Please take the time to complete the enclosed questionnaire and return it in the pre-addressed and stamped envelope. Your response will be taken into account as we consider ways of improving our service to the public and regulated community. Thank you for your cooperation.

Sincerely,


James Newbold, P.E.
Acting Regional Manager
Water Management

Enclosures: Permit
Standard Conditions Relating to Sewerage
Standard Conditions Relating to Erosion Control

cc: Mr. Johnson - Pennoni Associates, Inc.
Valley Township
Chester County Health Department
Permits and Compliance
Ms. W. Warren
Re 30 (SMC98)14b



WATER QUALITY MANAGEMENT PERMIT

A. PERMITTEE (Name & Address):
Valley Township
P.O. Box 467, 890 W. Lincoln Highway
Coatesville, PA 19320

B. PROJECT (Name, County, Municipality)
Rock Run Pump Station Modification
Valley Township
Chester County

C. THIS: **Permit** **Permit Amendment**

APPROVES: **The construction/operation of:** **Modification(s) to the construction/operation of:**

<input type="checkbox"/> Sewage Treatment Facilities	<input type="checkbox"/> Industrial Waste Treatment Facilities
<input type="checkbox"/> Land Application Facilities	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Average Design Flow of _____	<input type="checkbox"/> MGD consisting of: _____
<input checked="" type="checkbox"/> Sewers and Appurtenances	<input type="checkbox"/> Pump Station(s)
<input type="checkbox"/> Impoundment(s)	<input type="checkbox"/> Injection Well(s)
<input checked="" type="checkbox"/> Soil Erosion & Sedimentation Control Plan	
<input checked="" type="checkbox"/> Stream Crossing(s)	<input type="checkbox"/> Outfall & Headwall(s)

D. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING CONDITIONS:

1. a. All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit/Permit Amendment Application dated 11/14/97, its supporting documentation, and addendums dated _____
Such application, its supporting documentation and addendums are hereby made a part of this permit.

b. Water Quality Management Permit No. _____ dated _____ and conditions, supporting documentation and addendums are (except for any modifications to the original permit herein permitted) also made a part of this permit amendment.

2. Conditions numbered 1-7, 9, 13, 14, 16, 17-18, 20-22 of the sewerage standard conditions dated 09/83 and conditions numbered 1-12 of the erosion control standard conditions dated 08/91 are attached and made part of this permit.

3. Special conditions numbered I and II are attached and made part of this permit.

E. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. If there is a conflict between the application or its supporting documents and amendments and the standard or special conditions, the standard or special conditions shall apply.

2. Failure to comply with the rules and regulations of the Department or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit.

3. This permit is issued pursuant to the Clean Stream law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. § 691.1 et seq., and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. § 693.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

4. Industrial Facilities - If the herein permitted facilities or modifications are not completed with two (2) years of the issue date below, this permit will become null and void and reapplication shall be required.

PERMIT ISSUED:
DATE January 28, 1998

AMENDMENT ISSUED:
DATE _____

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: James Harold

TITLE: Acting Regional Manager, Water Management

**Sewerage Permit No. 1597414
Valley Township
Valley Township, Chester County**

This permit is subject to the following Special Condition(s):

- I. If there is a change in ownership of this facility or in permittee name, an application for transfer of permit must be submitted to the Department.
- II. Consistent with Department of Environmental Protection Policy, the Department did not conduct a detailed technical review of the application for this permit. The Department considers the registered professional engineer whose seal is affixed to the design documents, to be fully responsible for the adequacy of all aspects of the facility design.

Re 30 (SMC98)14A

STANDARD CONDITIONS RELATING TO SEWERAGE - PART II PERMITS

For use in Water Quality Management Permits

1. During construction, no changes affecting any engineering design parameter shall be made from the plans, designs, and other data herein approved unless the permittee shall first receive written approval thereof from the Department. The sewerage facilities shall be constructed under expert engineering supervision and competent inspection.
2. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled such that the sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from injury by water, freezing, drying or other harmful conditions until cured.
3. Manhole inverts shall be so formed as to facilitate the flow of the sewage and to prevent the stranding of sewage solids, and the whole manhole structure shall have proper structural strength and be so constructed as to prevent undue infiltration, entrance of the street wash or grit, and to provide convenient and safe means of access and maintenance.
4. No stormwater from pavements, area ways, roofs, foundation drains or other sources shall be admitted to the sanitary sewers herein approved.
5. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and on-lot sewage disposal systems on the premises of occupied structures which are accessible to public sewers and require the connection of such structures to the public sewers.
6. The herein approved sewers shall be maintained in good condition, kept free from deposits by flushing or other proper means of cleaning and repaired when necessary.
7. The permittee shall file with the Department of Environmental Resources "as-built" plans showing the correct plan of all sewers and sewerage structures as actually constructed together with any other information in connection therewith that may be required.
8. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to assure the proper mixing and waste assimilation an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of navigable stream, provided that the permittee has secured an easement, right-of-way, license, or lease from the Department in accordance with Section 15 of the Dam Safety and Encroachment Act, the Act of November 26, 1978, P.L. 1375, as amended.
9. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property, with full rights of ingress, egress and regress.
10. When the herein approved sewage treatment works is completed and before it is placed in operation, the permittee shall notify the Department in writing so that an inspection of the works may be made by a representative of the Department.
11. The various structures and apparatus of the sewage treatment works herein approved shall be maintained in proper condition so that the facility will individually and collectively perform the functions for which they were designed.
12. If, in the opinion of the Department, these works are not so operated or if by reason of change in the character of wastes or increased load upon the works, or changed use or condition of the receiving body of water, or otherwise the effluent from the said works ceases to be satisfactory or the sewerage facilities shall have created a public nuisance, then upon notice by the Department, the right herein granted shall cease and become null and void unless within the time specified by the Department, the permittee shall adopt such remedial measures as will produce an effluent which, in the opinion of the Department, will be satisfactory.

Amended Appendix A-20-b (Rock Run)

DEPARTMENT OF ENVIRONMENTAL RESOURCES
STANDARD CONDITIONS RELATING TO EROSION CONTROL
For Use in Water Quality Management Permits

August 1991

1. By approval of the plans for which this permit is issued, neither the Department nor the Commonwealth of Pennsylvania assumes any responsibility for the feasibility of the plans or the operation of the measures and facilities to be constructed thereunder.
2. If at any time the erosion and sedimentation activities undertaken pursuant to this permit or the discharge of the effluent therefrom is causing or contributing to pollution of the waters of the Commonwealth, the permittee shall forthwith adopt such remedial measures as are acceptable to the Department.
3. This permit does not authorize any earth disturbance controlled by an ordinance enacted by a local municipality. Additional permits must be secured from local municipalities where earthmoving activities are covered by local ordinances.
4. At least seven days before earthmoving will begin, the permittee, by telephone or certified mail, shall notify the Department or its designee of the date for beginning of construction and invite the County Conservation District Representative to attend a pre-construction conference with the contractor. The permittee shall have his erosion control plan available at the site of the activity at all times.
5. All earthmoving activities shall be undertaken in the manner set forth in the erosion and sedimentation control plan identified with this permit. Revisions to the plan shall be pre-approved by the Department.
6. The erosion control measures and facilities shall be constructed under the supervision and competent inspection of an individual trained and experienced in erosion control, and in accordance with plans, designs and other data as herein approved or amended, and with the conditions of this permit. Control facilities shall be frequently inspected and maintained to insure effective control.
7. When the herein approved erosion control measures and facilities are completed, the permittee shall notify the County Conservation District so that an inspection of the measures and facilities may be made.
8. No storm water, sewage or industrial wastes not specifically approved herein, shall be admitted to the erosion and sedimentation measures and facilities for which this permit is issued, unless with the approval of the Department.
9. Sediment shall at no time be permitted to accumulate in sedimentation basins to a depth sufficient to limit storage capacity or interfere with the settling efficiency thereof. The sediment removed shall be handled and disposed of in a manner that will not create pollution problems and so that every reasonable and practical precaution is taken to prevent the said material from reaching the waters of the Commonwealth.
10. All slopes, channels, ditches or any disturbed area shall be stabilized as soon as possible after the final grade or final earthmoving has been completed. Where it is not possible to permanently stabilize a disturbed area immediately after the final earthmoving has been completed or where the activity ceases for more than 20 days, interim stabilization measures shall be implemented promptly.
11. Upon completion of the project, all areas which were disturbed by the project shall be stabilized so that accelerated erosion will be prevented. Any erosion and sedimentation control facility required or necessary to protect areas from erosion during the stabilization period shall be maintained until stabilization is completed. Upon completion of stabilization, all unnecessary or unusable control measures and facilities shall be removed, the areas shall be graded and the soils shall be stabilized.
12. The responsibility of carrying out the permit conditions shall rest with the owner, lessee, assignee or other responsible manager of earthmoving that affects the approved erosion controls. Such responsibility passes with each control succession.

Amended Appendix A-20-b (Rock Run)



Pennsylvania Department of Environmental Protection

2 East Main Street
Norristown, PA 19401

Southeast Regional Office

MAY 2 2006

Phone: 484-250-5970
Fax: 484-250-5971

Mr. Grover Koon, Chairman
Valley Township
890 West Lincoln Highway
P.O. Box 467
Coatesville, PA 19320

Re: Rock Run Pump Station re-Rate
Sewerage 1502419-A-2
File Type: Amendment
Valley Township
Chester County

Dear Mr. Koon:

Your permit is enclosed. Approval is hereby granted to expand the current annual average flow from 230,400gpd to the full capacity of 300,000gpd, consistent with the pump station's original design, and the Act 537 Approval granted on February 16, 2006.

You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

MAY 2 2006

REPRODUCTION OF THIS DOCUMENT IS PROHIBITED



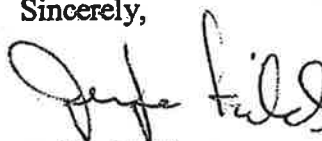
Mr. Koon

- 2 -

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions, please call David Talley at 484-250-5181.

Sincerely,



Jenifer Fields, P.E.
Regional Manager
Water Management

Enclosures

cc: ~~Mr. Rasiul - Pennoni Assoc.~~
Operations Section
Permits Chief
File

RECEIVED

MAY 30 2006

PENNONI ASSOCIATES
INCORPORATED



WATER QUALITY MANAGEMENT PERMIT

<p>A. PERMITTEE (Name and Address): Valley Township 890 W. Lincoln Highway P.O. Box 467 Coatesville, PA 19320</p>	<p>CLIENT ID#:81247</p>	<p>B. PRIMARY FACILITY (Name): Rock Run Pump Station Re-Rate</p>
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<p>C. LOCATION (Municipality, County): Valley Township Chester County</p>	<p>SITE ID#: 481242</p>
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D. **This amendment approves the modification of sewerage facilities consisting of:**
-Reprogramming the variable frequency drives to allow the pump station to operate at full capacity, consistent with the design and Act 537 approval.

<p>Pump Stations: <u>1</u> Design Capacity: <u>650</u> GPM Average Annual Flow: <u>300,000</u> GPD</p>	<p>Manure Storage: Volume _____ MG Freeboard: _____ inches</p>	<p>Industrial Wastewater/Sewage Treatment Facility: Annual Average Flow: _____ MGD Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb/day</p>
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E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:

1. **New Permits:** All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit application dated _____, its supporting documentation, and addendums dated _____, which are hereby made a part of this permit.

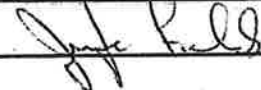
Amendments: All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit Amendment application dated January 25, 2005 and its supporting documentation, and addendums dated February 24, 2006, which are hereby made a part of this amendment.

 Except for any herein approved modifications, all terms, conditions, supporting documentation and addendums approved under Water Quality Management Permit No. 1502419 dated March 18, 2003 shall remain in effect.

Transfers: Water Quality Management Permit No. _____ dated _____ and conditions, supporting documentation and addendums are also made part of this transfer.
2. **Permit Conditions Relating to sewerage** are attached and made part of this permit.
3. Special Conditions numbered _____ are attached and made part of this permit.

F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.
2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.
3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 *et seq.* Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

<p>PERMIT ISSUED: <u>May 25, 2006</u></p>	<p>BY: <u></u> TITLE: <u>Water Management Program Manager</u></p>
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