

**Application of Pennsylvania-American Water Company for Acquisition of
the Water Assets of Valley Township
66 Pa. C.S. § 1329
Application Filing Checklist – Water/Wastewater
Docket No. A-2020-3019859**

15. Plant in Service.
- a. Provide an inventory of the used and useful plant assets to be transferred. Identify separately any utility plant that is held for future use.³

RESPONSE:

- a. See the Engineer's Assessment attached as **Appendix A-15-a** that identifies assets to be transferred as required by 66 Pa. C.S. § 1329(a)(4).

³ The inventory is to be developed from available records, maps, work orders, debt issue closing documents funding construction projects, and other sources to ensure an accurate listing of utility plant by utility account.

VALLEY TOWNSHIP WATER FACILITIES ENGINEERING ASSESSMENT AND ORIGINAL COST

**Valley Township
Chester County, PA**

Prepared for:

Valley Township
890 West Lincoln Highway
P.O. Box 467
Coatesville, PA 19320

Pennsylvania American Water
852 Wesley Drive
Mechanicsburg, PA 17055

Submitted By:

Pennoni Associates Inc.
Christiana Executive Campus
121 Continental Drive, Suite 207
Newark, DE 19713



Michael J. Ellis, PE
Senior Engineer

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APPENDICES

APPENDIX A – SYSTEM MAPPING

- A1 – Water System Map

APPENDIX B

- Uniform System of Accounts for Class A Water Utilities - Section 300
- ACT 12 (HB1326)

1. EXECUTIVE SUMMARY

As required by PA Act 12 of 2016 and following the guidelines of the "Uniform System of Accounts for Class A Water Utilities", an assessment of the tangible assets of facilities and equipment of the Valley Township water utility is prepared as part of the asset purchase agreement with Pennsylvania-American Water Company (PAWC). Each facility and class of equipment was coded based on Section 300 of the "Water Utility Plant Accounts" of the Guidelines. The Asset Survey included one treatment plant and associated supply mains and wells, one 150,000 gallon elevated tank, and approximately 22 miles of distribution mains. Asset cost information and quantities were derived from escrow releases, system mapping, and Land Development plans. A site visit to the treatment plant and elevated tank was conducted to inventory the equipment and assess conditions.

Site inventory and facility condition were documented on a facility information sheet and summarized in the facility description summary.

The overall conditions of the Mineral Springs Water Treatment Plant and elevated tank are good. A list of capital improvement projects is provided in Section 8.

Distribution main conditions were not determined. The piping installation period ranges from 1988 to 2019.

A complete list of the assets and original costs is provided in Section 9 of this report.

2. PURPOSE OF REPORT

The purpose of this report is to “conduct an assessment of the tangible assets of the selling utility” per the requirements of PA Act 12 of 2016.

This engineering assessment will be used by the Utility Valuation Experts (UVEs) retained by both the seller (Valley Township) and buyer (PAWC). The engineering assessment followed the practices and procedures of the Public Utility Commission (PUC) and National Association of Regulatory Utility Commissioners (NARUC) Systems of Accounts. The engineering assessment report documents the conditions and original costs of Valley Township’s assets that will be used as the common list for the UVEs to develop their appraisal of the system.

The report preparation process included meeting with key Township and PAWC representatives to identify and confirm specific information needed to support the assessment and to prepare the report, providing a mutually agreed upon scope of work with Valley Township and PAWC. The inventory is a compilation of data gathered by Pennoni, developed from institutional knowledge, available records, maps, work orders, payment records from construction projects, site evaluations, and other sources to provide an inventory and listing.

This report contains the following:

- An inventory of the used and useful assets to be transferred, compiled by development with year and account (codes).
- Identification of facilities being held for future use (if any).
- A list of non-depreciable property such as land and rights-of-way.
- A review of system components, plans, and reports of key facilities. This includes:
 - Permitted public water supplies, including regulatory requirements
 - Distribution system
- Summary of the operation and maintenance expenses based upon review of Valley Township operating records.
- An assessment of the identified assets.
- Determination and/or establishment of an original cost of construction for each asset.

Assets were identified through various sources. Distribution main sizes and quantities were taken from Construction Escrow Releases/Estimates, Township Water System Mapping, and the Land Development Plans. The Mineral Springs Treatment Plant was field inventoried and evaluated; and, supplemented with information obtained from drawings, where available. Distribution piping costs are based on Construction Escrow Releases/Estimates where available or estimated and backdated to the appropriate year.

A coding system as described in Section 300 of the Uniform System of Accounts for Class A Water Utilities was used for classifying various assets. Section 300 as well as the listing of codes can be found in Appendix B.

3. SYSTEM DESCRIPTION

System Summary

Valley Township is responsible for the clean, safe, and adequate distributions of approximately 65 million gallons per year of drinking water to approximately 1,670 existing residential, commercial, and institutional customers in the Township. Valley Township's public water system is supplied by Township-owned wells and bulk water purchased from Pennsylvania-American Water Company (PAWC). Bulk water is purchased per PAWC's Water Tariff for "Other Water Utilities Group A" at four interconnection meter pit locations throughout the Township. A map of the water system with delineated service areas is located in Appendix A. The Township owns and operates the Mineral Springs Water Treatment plant, three public water supply wells, one 150,000 gallon elevated tank, and approximately 22 miles of water mains for public water use.

System Service Areas

Historically, the Township has characterized its water system into five service areas: Valley Springs, Airport Road Interconnect, Hillview Interconnect, Old Lincoln Highway Interconnect, and Red Road Interconnect.

Valley Springs Service Area

The well system, known as the Valley Springs System (aka Mineral Springs System), is comprised of three wells and a treatment and pumping facility, Mineral Springs Water Treatment Plant (WTP), located just north of the U.S. Route 30 Bypass on Mineral Springs Road. Following treatment, the well water is conveyed from the Plant directly into the distribution system and into a 150,000-gallon elevated storage tank located adjacent to the Meadowbrook development. The Valley Springs System was originally installed in 1988 to provide water for approximately 500 homes. The Delaware River Basin Commission (DRBC) and PA Department of Environmental Protection (DEP) approved a permit (Permit No. 1588503) in 1988 for the withdrawal of up to 4,500,000 gallons of groundwater per month. The permit has been extended a number of times over the years with the latest renewal under Docket D-88-031 CP-4 for an additional ten years approved in 2018. The original permit extensions were granted with a condition that an agreement be reached with the City of Coatesville Authority (CCA) for installation of a back-up interconnection for the system. The CCA has since transferred ownership of its water supply facilities to PAWC. The Airport Road Interconnect is the back-up interconnection that has since been constructed and is described below.

Airport Road Interconnect

The Airport Road Meter Pit at the intersection of West Lincoln Highway (Business Route 30) and Airport Road was installed circa 1991 to primarily provide water supply to the Chester County Airport. The system was extended with a 12-inch water main interconnection in 2003 to supplement the water supply from the Valley Springs well system, thereby satisfying the CCA/PAWC back-up interconnection requirement. The interconnect main runs east along West Lincoln Highway, turns north on Country Club Road, and then east on Franklin Street, where the Pressure Reducing Valve (PRV) is located.

The Franklin Street PRV was installed in 2003, additionally as part of the PAWC interconnection and Airport Road meter. The PRV is on the 12-inch interconnect main on Franklin Street prior to the water tank which only allows water from the main to flow into the Valley Springs System. The well water is the primary source of water to the elevated tank, and the PRV is set to allow bulk water into the Valley Springs System when the well supply is insufficient. The 1990 Water Service Agreement between Valley Township and CCA (now PAWC) allows Valley Township a peak daily usage of 400,000 GPD at this interconnection. Water Allocation Permit No. WA 15-917 was issued for this interconnection in 1992.

Red Road Interconnect

The Red Road Service Area is located on the south side of Valley Township, along Valley Road (SR 372) to the west of Mount Carmel Road. This service area is fed solely by an interconnection from PAWC at the Red Road Meter Pit at the north end of Red Road installed in 1991. The system services the Valley Crossing, Springbrook Village, and Timberlane residential developments; residences along and adjacent to Valley Road; residences along Mount Carmel Road; and businesses on Red Road. Approximately 300 residences and two businesses within Valley Township are connected to this system. The water main runs south along Mount Carmel Road and supplies water to neighborhoods in East Fallowfield Township through an intermunicipal agreement with PAWC. The water into East Fallowfield is metered by a deduct meter at the Township line. Valley Township has no customers beyond the Township line. The 1990 Water Service Agreement between Valley Township and CCA sets the peak daily usage of 150,000 GPD at this interconnection. Water Allocation Permit No. WA 15-917 was issued for this interconnection in 1992.

Hillview Interconnect

The Hillview Service Area consists of the Hillview development on the east side of SR 82. The water system was constructed in 2004 and 2005 to supply water to approximately 513 residential customers including neighborhood community center facilities. This service area is fed solely by an interconnection from PAWC at the Hillview Meter Pit along the Valley-Caln Township line. There are no agreements limiting the usage through this meter.

Old Lincoln Highway Interconnect

The Old Lincoln Highway Service Area consists of approximately 6 residential customers and one commercial customer along Old Lincoln Highway, off of West Lincoln Highway, near the Township border with the City of Coatesville. This service area is fed solely by an interconnection from PAWC at the Old Lincoln Highway (aka Mount Pleasant Street) Meter Pit. There are no agreements limiting the usage through this meter. There is no permit for this interconnection because it is not a permitted public water system due to the number of customers.

4. INVENTORY OF ASSETS

4.1. MINERAL SPRINGS WATER TREATMENT PLANT

The Mineral Springs Water Treatment Plant (WTP) located on Mineral Springs Road, just north of the U.S. Route 30 Bypass was constructed in 1988. The WTP provides water to the Valley Springs Service Area and Elevated Storage Tank adjacent to the Meadowbrook development.

Treatment plant components include:

- (2) booster pumps, pump controls
- Treatment
 - Sodium Hypochlorite for disinfection, (3) chemical feed pumps
 - Bulk Caustic Soda for pH adjustment, (3) chemical feed pumps
 - Continuous Chlorine Analyzer
- Chlorine Contact tank
- (3) well meters, (1) finished water meter

The WTP consists of an approximately 1,050 SF building with brick exterior and CMU interior. Raw water is pumped from the three wells via two 2" pipes and one 3" pipe with Neptune raw water turbine meters.

Caustic Soda is injected for pH adjustment from a 500 gallon Bulk Caustic Soda tank, installed in 2018, located in the garage via three Blue-White peristaltic chemical feed pump. Sodium Hypochlorite is added for disinfection automatically via a relay in the Aquatrol control panel that turns on when the respective well pumps run via three Blue-White peristaltic chemical feed pumps.

Treated water is sent to the baffled chlorine contact tank, located under the building, to increase the detention time. A minimum chlorine level of 0.40 mg/L must be maintained for 4-log disinfection. A continuous chlorine analyzer and data recorder were installed in 2011, replaced in 2015, to monitor chlorine and pH levels in accordance with the Groundwater Rule. Two Sterling Fluid Systems booster pumps convey water from the contact tank out to the distribution system and elevated tank. A small (residential style) greensand filter was installed in 2015 on the tubing to the chlorine analyzer to address iron and manganese buildup on the analyzer; it does not filter water going into the distribution system.

The 30 kW diesel Onan generator, located in the garage, is older and in poor condition. The WTP is generally in good condition otherwise. All finished water piping and valves were replaced in 2008 and the meters and portions of the raw water piping have been replaced since 2008. A SCADA system was installed and the control panel was replaced in 2016. Additionally, one of the booster pumps was replaced in 2017.

4.2. WELLS

The three wells (V-1, V-2 and V-4) were drilled in 1987. The pumps and motors have been replaced numerous times since their original installation. Rehabilitation work on Well V-1 and V-2 was conducted in 2012. The pump house and wells are located within the drainage basin of the Rock Run creek between Mineral Springs Road and the U.S. Route 30 Bypass.

4.3. ELEVATED STORAGE TANK

The 90-foot, 150,000-gallon elevated storage tank was constructed in 1988. It is located on Meadowbrook Drive, within the Meadowbrook subdivision.

The elevated storage tank was rehabilitated and repainted in 2009. The rehabilitation improvements consisted of interior and exterior modifications. The interior modifications included the following: cleaning and painting of the interior wet and dry tanks, installation of stainless steel flexible cable safety climb on wet/dry ladders, removal/replacement of insulation on inlet/discharge pipe, installation of rubber insulator between "U" bracket and overflow pipe and replacement of light bulbs. The exterior modifications included the following: cleaning and painting of exterior tank, installation of air gap and flapper gate in overflow pipe, replacement of FAA light and bulbs, replacement of missing grout and application of elastomeric sealant. An additional modification included the installation of 4-inch bed of washed ¾-inch stone in tank base floor. The elevated tank is monitored by the SCADA system via a remote terminal unit (RTU) installed in 2016.

4.4. DISTRIBUTION SYSTEM

Valley Township owns approximately 22 miles of distribution pipes within the Township. A map of the service areas can be found in Appendix A. Distribution system related cost data can be found in Section 9 for the water mains and hydrants under account codes 331.4 and 335.4, respectively.



Figure 1 – Wellhead

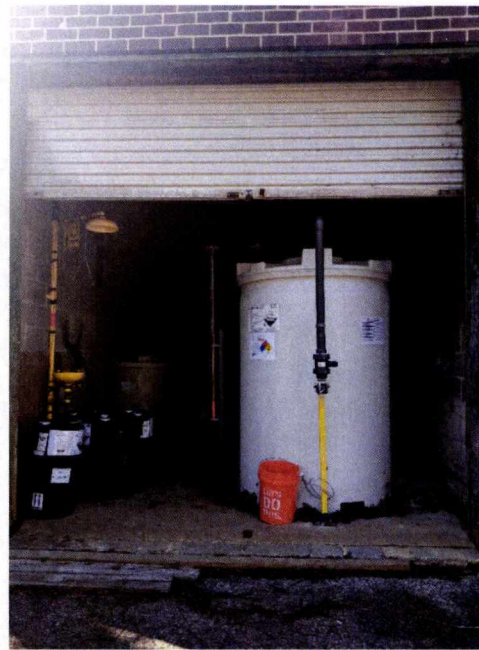


Figure 2 – WTP garage, Bulk Caustic Soda Tank



Figure 3 – WTP garage, generator



Figure 4 – WTP, chlorine contact tank



Figure 5 – WTP, booster pumps

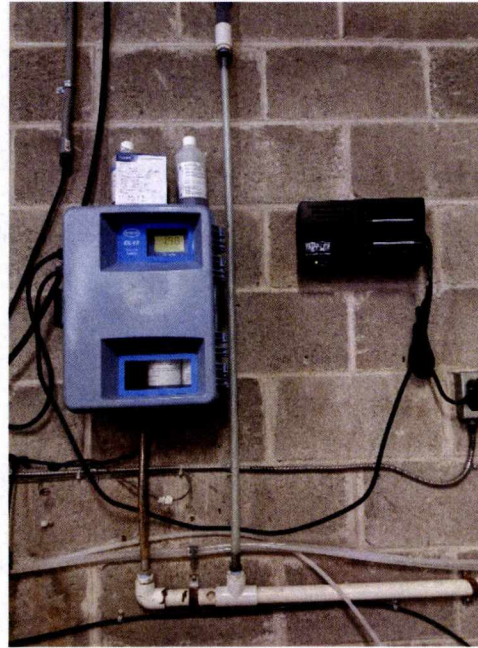


Figure 6 – WTP, chlorine analyzer



Figure 7 – WTP, electrical and control panels



Figure 8 – WTP, internal piping

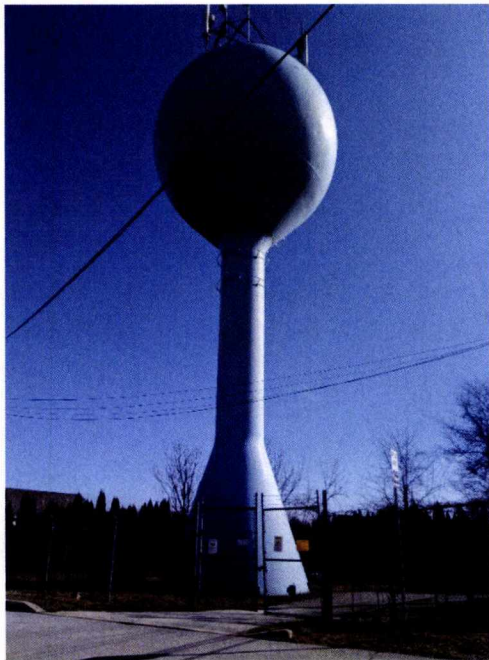


Figure 9 – Elevated Tank, exterior

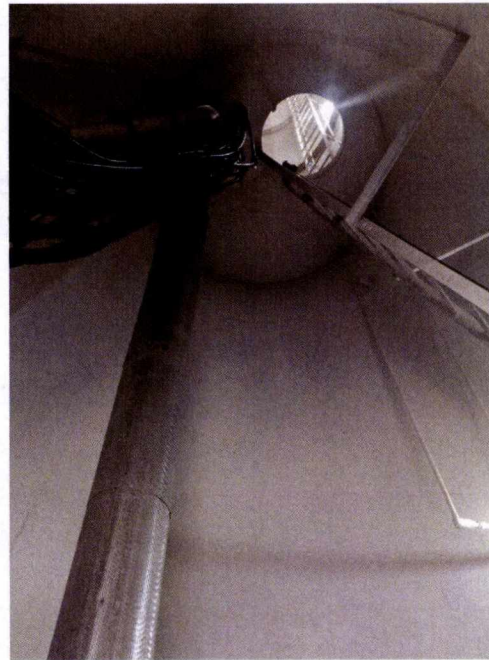


Figure 10 – Elevated Tank, interior

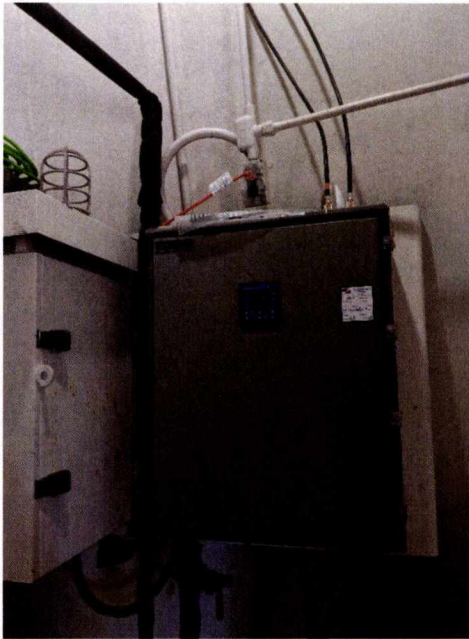


Figure 11 – Elevated Tank control panel

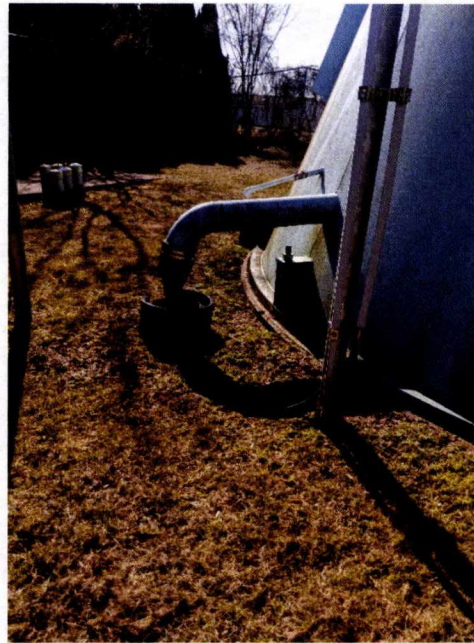


Figure 12 – Elevated Tank overflow

Appendix A-15-a

Station Name	Mineral Springs WTP, Elevated Tank, Wells		Phone #	Scheduled Visit Date:	3/9/2020	
Location	MINERAL SPRING RD, COATESVILLE, PA 19320					
Start Up Date	1988					
CODE					COMMENTS	
307.2	WELLS		V-1	V-2	V-4	
	Condition		unknown	unknown	unknown	
311.2	No. of Pumps		1	1	1	
	Type		submersible	submersible	submersible	
	Pump Manufacturer		Grundfos	Grundfos	Grundfos	
	Pump Model Number		225Q10-160	225QE07-120	85S 100-8	
	Year Installed		orig. 1988, replaced in 2019	orig. 1988	orig. 1988	V-1 and V-2 Well pumps replaced in 2019 and 2012
	Permitted Capacity (MGM)		1	0.5	3	
	Well Aquifer Capacity, Initial (GPM)		57	20	108	
	Pump Capacity (GPM)		22	19	85	
	Pump Setting (depth, ft)		175	115	250	
	Motor HP		5	1.5	10	
	Meter Type		Turbine	Turbine	Turbine	
	Size		2"	2"	3"	
	Meter Manufacturer		Neptune	Neptune	Neptune	
	WTP MAIN BUILDING					
311.3	Booster Pumps		Booster Pump #1	Booster Pump #2		
	Condition		good			
	No. of Pumps		1	1		
	Type					
	Pump Manufacturer		Sterling Fluid Systems	Sterling Fluid Systems		
	Pump Model Number		6 LB - 6 Stage	6 LB - 6 Stage		
	Year Installed					
	Pump Capacity (GPM)		150	110		
	Head (ft)		310	320		
	Motor HP		20	20		
	Finished Water Meter Type		Turbine			
	Size		4"			
	Meter Manufacturer		Neptune			
320.3	DISINFECTON					
	Chemical Used		Sodium Hypochlorite			
	Strength		15%			
	Size Container		100 gal. day tank			
	Chemical Supplier		Coyne Chemical			
	Chemical Feed Pumps		(3) Peristaltic Pumps			
	Manufacturer		Blue-White FlexFlo			
	Model No.		A-100N			
320.3	CHLORINE ANALYZER					
	Manufacturer		Hach CL17 colorimetric chlorine analyzer			
	Data Logger		Lascar Electronics EL-USB-4			
	Year Installed		original 2011, replaced in 2015			
320.3	CHLORINE CONTACT TANK					
	Size		approx. 5,300 gallons			
	Material		concrete			
	Hatch		36" x 48" metal			
320.3	GREENSAND FILTERS (small residential style)					
	Description		Paraflo backwashing filter with Mn Greensand			
	Year Installed		2015			
320.3	CONTROL PANEL					
	Manufacturer		Aquatrol Digital Systems			
	Year Installed		2016			
	Model/Serial number		W1300			
320.3	VALVES					
	Type		Pressure regulating	Ball		
	Manufacturer		Cia-Val			
	Size					
	#		2	3		
	Year Installed					
304.3	BUILDING					
	Condition		fair			
	Size		1056 SF			
	Main Structure Material		brick exterior, CMU interior			
	Roof Type		fiberglass shingle			
	Roof Condition		unknown			
	Doors (number /material)		(1) double metal door, (1) roll-up door			
	Lighting (Type)		overhead fluorescent			
	Year Installed		1988			

Appendix A-15-a

320.3	ELECTRICAL			
	SCADA	Primex iControl		
	MCC			
	Alarm System (manf/ model)	Sensaphone 800 Remote Monitoring System		
	Year Installed			
	WATER LEVEL CHART RECORDER			
	Manufacturer	Emerson S/N 87H01323		
	GROUND			
	Fence Length	280		
	Fence Type	chain link with barbed wire		
	Year Installed	1988		
	Paving and Walkways	asphalt		
	WTP GARAGE			
320.3	Other Treatment			
	Purpose	pH Adjustment		
	Chemical Used	Caustic Soda		
	Strength	25%		
	Size Container	500 gallon bulk tank		
	Chemical Supplier	Coyne Chemical		
	Chemical Feed Pumps	(3) Peristaltic Pumps		
	Manufacturer	Blue-White FlexFlo		
	Model No.	A-100N		
320.3	GENERATOR			
	Condition	poor		
	Manufacturer	Onan		
	Generator KW	30		
	Generator KVA	37.5		
	Fuel Tank (Gals)			
	ATS (manf/model #)	manual		
	Year Installed	1988		
330.4	WATER TOWER			
	Size	150,000 gallons		Tank rehabilitation in 2009 included overflow work and repainting. SCADA RTU installed in 2016.
	Control Panel	Aquatrol Digital Systems		
	Transducer	Pressure Transducer		
	Electrical Panel	Goodall CTAYSA 30-15 ENZ		
	MISCELLANEOUS			DESCRIPTION OF FACILITY
	Other Buildings	Small shed outside elevated tank		

5. OWNED PROPERTY & EASEMENTS OF VALUE

The Township owns the properties upon which the WTP and elevated tank are located. These properties were dedicated to the Township by the land developer that constructed the facilities for the purchase price of \$1. The deeds for these properties are included in the following pages. They are included in the Section 9 – “List of Assets and Costs”. The following is an approximate list of properties through which water facilities are located and for which easements are believed to exist. These easements were dedicated to the Township by the land developer that constructed the facilities and have no value.

- 120 Mineral Springs Road – Parcel ID 38-2-137.1
- 122 Mineral Springs Road – Parcel ID 38-2-136
- 126 Mineral Springs Road – Parcel ID 38-2-138.1D
- 128 Mineral Springs Road – Parcel ID 38-2-138.1C
- 132 Mineral Springs Road – Parcel ID 38-2-138.1
- 134 Mineral Springs Road – Parcel ID 38-2-138.1B
- 136 Mineral Springs Road – Parcel ID 38-2-138.1A
- 140 Mineral Springs Road – Parcel ID 38-2-139
- 686 Wagontown Road – Parcel ID 38-2-23
- 529 Enfield Drive – Parcel ID 38-2-23.63
- 525 Enfield Drive – Parcel ID 38-2-23.10
- 521 Enfield Drive – Parcel ID 38-2-23.11
- 237 Coleridge Lane – Parcel ID 38-2-23.18
- 238 Coleridge Lane – Parcel ID 38-2-23.56
- 405 Barlow Drive – Parcel ID 38-2-23.48
- Country Club Valley Association Inc. open space – Parcel ID 38-2L-94
- Country Club Valley Association Inc. open space – Parcel ID 38-2L-95
- DHLP-Meadowbrook LP open space – Parcel ID 38-2-129.95
- 50 Kimberly Circle – Parcel ID 38-2-308
- 46 Lamberts Lane – Parcel ID 38-2-281
- Oakcrest Homeowners Association Inc. Open Space A – Parcel ID 38-2-607
- Oakcrest Homeowners Association Inc. Open Space H – Parcel ID 38-2-614
- 805 West Lincoln Highway – Parcel ID 38-2-144
- Valley Crossing Homeowners Association open space – Parcel ID 38-4-137
- 332 Gavin Drive – Parcel ID 38-4-236
- 340 Gavin Drive – Parcel ID 38-4-235
- Springbrook Village Homeowners Association open space – Parcel ID 38-4-272
- Villages at Hillview Community Association Open Space Q – Parcel ID 38-3-43.12



Prepared By: Alan J. Jarvis, Esquire

Return To: Alan J. Jarvis, Esquire
Highlands Corporate Center
495 Highlands Boulevard, S-109
Coatesville, PA 19320

RETURN TO

Parcel No. 38-2-129.1 ✓

This Deed made this 29th day of December, 2008

Between, John McGinn and Edward A. Savastio, (hereinafter called the Grantors)

of the one part, and Valley Township, (hereinafter called the Grantee) of the other part,

WITNESSETH, that in consideration of One Dollar (\$1.00) in hand paid, the receipt whereof is hereby acknowledged, the said Grantors do hereby grant and convey unto the said Grantee, its successor and assigns,

ALL THAT CERTAIN piece of ground, Situate in the Township of Valley, County of Chester and State of Pennsylvania, bounded and described according to a Plan of Valley View, made by Drake & Waddington, Inc., Surveyors, Engineers, Planner, Kennett Square, PA, dated September 1, 1987, last revised March 16, 1988 and recorded April 14, 1988, in Plan File #8119, as follows, to wit:

BEGINNING at a point on the Southerly side of Franklin Avenue, said point also being a corner of Lot #1; thence extending from said beginning point and along Lot #1, South 07 degrees, 17 minutes, 17 seconds West, 150.00 feet to a point in line of land of Lewis Douglass; thence extending along same North 82 degrees, 42 minutes 43 seconds West, 73.92 feet to a point on the Easterly side of Meadowbrook Lane; thence extending along same North 05 degrees 55 minutes 14 seconds East, 124.44 feet to a point of curve; thence extending on the arc of a circle curving to the right having a radius of 25.00 feet the arc distance of 39.87 feet to a point on the Southerly side of Franklin Avenue; thence extending along same South 82 degrees 42 minutes 43 seconds East, 51.90 feet to the first mentioned point and place of beginning.

BEING Lot to be conveyed to Valley Township Authority as shown on said Plan.

BEING a part of the same premises which McGreary Grain, Inc., a Pennsylvania Corporation, by Deed dated June 26, 1987, and recorded in the Office for the Recording of Deeds, Chester County, Pennsylvania, in Record Book 813, Page 14, granted and conveyed unto John McGinn and Edward A. Savastio, in fee.

BEING Chester County Tax Parcel No. 38-2-129.1.



And the said Grantors do hereby covenant to and with the said Grantee, that they the said Grantors, **SHALL and WILL, by these presents,** warrant and forever defend the herein above described premises, with the hereditaments and appurtenances, unto the said Grantee, its successor and assigns, against the said Grantors and against every other person lawfully claiming or who shall hereafter claim the same or any part thereof, by, from or under him, them or any of them.

IN WITNESS WHEREOF, the said Grantors have caused these presents to be duly executed, the day and year first above written.

SEALED AND DELIVERED In the Presence of:

ABP
Witness

John McGinn (SEAL)
John McGinn

ABP
Witness

Edward A. Savastio (SEAL)
Edward A. Savastio

STATE OF PENNSYLVANIA:

COUNTY OF CHESTER:

On this 29th day of December, 2008 before me, the undersigned officer, a notary public, personally appeared Edward A. Savastio, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Kristin L. Colon
Notary Public


COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
KRISTIN L. COLON, Notary Public
West Chester Boro., Chester County
My Commission Expires December 6, 2012



STATE OF Pennsylvania : COUNTY OF Chester :

On this 29th day of December, 2008 before me, the undersigned officer, a notary public, personally appeared **John McGinn**, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



Notary Public

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
KRISTIN L. COLON, Notary Public
West Chester Boro., Chester County
My Commission Expires December 6, 2012

Unofficial

The address of the Grantee is:

**Valley Township Municipal Building
890 West Lincoln Highway
Coatesville, PA 19320**



Return Deed to:

**Alan J. Jarvis, Esq.
495 Highlands Boulevard, S-109
Coatesville, PA 19320**

Unofficial Copy



ALAN JARVIS ESQ

01/05/2009 09:40A

10893351

Page 4 of 5

B-756€ P-1188



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF REVENUE
BUREAU OF INDIVIDUAL TAXES
PO BOX 280603
HARRISBURG PA 17128-0603

REALTY TRANSFER TAX STATEMENT OF VALUE

See Reverse for Instructions

Appendix A USE ONLY

State Tax Paid	
Book Number	7566
Page Number	1188
Date Recorded	Jan. 5-2009

Complete each section and file in duplicate with Recorder of Deeds when (1) the full value/consideration is not set forth in the deed, (2) when the deed is without consideration, or by gift, or (3) a tax exemption is claimed. A Statement of Value is not required if the transfer is wholly exempt from tax based on: (1) family relationship or (2) public utility easement. If more space is needed, attach additional sheet(s).

A. CORRESPONDENT - All inquiries may be directed to the following person:

Name	Alan J. Jarvis, Esquire		Telephone Number:	610, 384-1151	
Street Address	495 Highlands Blvd., S-109		City	Coatesville	
			State	PA	
			Zip Code	19320	

B. TRANSFER DATA

Date of Acceptance of Document

Grantor(s)/Lessor(s)	John McGinn and Edward A. Savastio		Grantee(s)/Lessee(s)	Valley Township	
Street Address	729 East Union Street		Street Address	890 West Lincoln Highway	
City	State	Zip Code	City	State	Zip Code
West Chester	PA	19380	Coatesville	PA	19320

C. PROPERTY LOCATION

Street Address	804 Meadowbrook Drive		City, Township, Borough	Valley Township	
County	School District	Tax Parcel Number			
Chester	Coatesville Area	38-2-129.1			

D. VALUATION DATA

1. Actual Cash Consideration	2. Other Consideration	3. Total Consideration
\$0.00	+ \$1.00	= \$1.00
4. County Assessed Value	5. Common Level Ratio Factor	6. Fair Market Value
\$124,720.00	X 1.93	= \$240,709.60

E. EXEMPTION DATA

1a. Amount of Exemption Claimed	1b. Percentage of Interest Conveyed
\$2,407.10	100%

2. Check Appropriate Box Below for Exemption Claimed

- Will or intestate succession (Name of Decedent) _____ (Estate File Number) _____
- Transfer to Industrial Development Agency.
- Transfer to a trust. (Attach complete copy of trust agreement identifying all beneficiaries.)
- Transfer between principal and agent. (Attach complete copy of agency/straw party agreement.)
- Transfers to the Commonwealth, the United States and Instrumentalities by gift, dedication, condemnation or in lieu of condemnation. (If condemnation or in lieu of condemnation, attach copy of resolution.)
- Transfer from mortgagor to a holder of a mortgage in default. Mortgage Book Number _____, Page Number _____
- Corrective or confirmatory deed. (Attach complete copy of the prior deed being corrected or confirmed.)
- Statutory corporate consolidation, merger or division. (Attach copy of articles.)
- Other (Please explain exemption claimed, if other than listed above.) _____

Under penalties of law, I declare that I have examined this Statement, including accompanying information, and to the best of my knowledge and belief, it is true, correct and complete.

Signature of Correspondent or Responsible Party	Date
<i>Alan J. Jarvis</i>	1/5/09

FAILURE TO COMPLETE THIS STATEMENT MAY RESULT IN THE RECORDER'S REFUSAL TO RECORD



10893351
Page 5 of 5
B-7566 P-1188

This Deed made this 14 day of March, 2001.

Between, Sovereign Bank (formerly Suburban Federal Savings Bank)

(hereinafter called the Grantor)

of the one part, and **Valley Township**

(hereinafter called the Grantee) of the other part,

WITNESSETH, that in consideration of One Dollar (\$1.00), in hand paid, the receipt whereof is hereby acknowledged, the said Grantor does hereby grant and convey unto the said Grantee, its successor and assigns,

Tract No. 1

ALL THAT CERTAIN lot, piece or parcel of land, with the improvements thereon, situate in the Township of Valley, County of Chester, Commonwealth of Pennsylvania, being designated Lot 138, as shown on the Preliminary/Final Subdivision Plan of Valley Springs, of Record in the Office of the Recorder of Deeds in and for the County of Chester, Commonwealth of Pennsylvania on Microfilm No. 12,873, said lot being now more particularly described by Pennoni Associates, Inc., as follows, to wit:

BEGINNING for the same at a point on the southerly line of Mineral Springs Road, 50 feet wide, at a common corner of the lands now or formerly of James W. Shute and Carole Shute (Lot 45 Valley Springs Subdivision), thence for Lot 138, as follows to wit: (1) South 64 degrees 31 minutes 20 seconds East, 92.82 feet by the line of the aforesaid line of Mineral Springs Road to a common corner with the lands now or formerly of Lawrence E. Barrage, thence by the line with lands of Barrage, (2) South 00 degrees 20 minutes 36 seconds West, 147.15 feet to a common corner with the lands designated Open Space, thence by the line with lands designated Open Space the following two courses and distances; (3) North 89 degrees 51 minutes 15 seconds West 205.62 feet to a point, thence continuing; (4) North 00 degrees 04 minutes 47 seconds East, 65.35 feet to the common line with Lot 45 Valley Springs Subdivision Plan File No. 7246-7248, thence thereby the following two courses and distances; (5) South 86 degrees 27

minutes 05 seconds East, 86.87 feet to a point, thence continuing; (6) North 15 degrees 50 minutes 22 seconds East, 131.57 feet to the point and place of beginning, and containing within these metes and bounds 23,810 S.F. of land, more or less.

Tract No. 2

ALL THAT CERTAIN lot, piece or parcel of land, with the improvements thereon, situate in the Township of Valley, County of Chester, Commonwealth of Pennsylvania, being designated Open Space, as shown on the Preliminary/Final Subdivision Plan of Valley Springs, of Record in the Office of the Recorder of Deeds in and for the County of Chester, Commonwealth of Pennsylvania, on Microfilm No. 12,873, said lot being now more particularly described by Pennoni Associates, Inc. as follows, to wit:

BEGINNING for the same at a point on the southerly most line of Lot 145 Valley Springs Subdivision, Plan File No. 7246-7248 and a common corner for this lot and Lot 138, and further said point being distant the following two courses and distances from the southerly line of Mineral Springs Road, 50 feet wide, at a common corner with Lot 45 and Lot 138, thence South 15 degrees 50 minutes 22 seconds West, 131.57 feet by the common line of Lot 138 and Lot 45 Valley Springs to a point, thence continuing North 86 degrees 27 minutes 05 seconds West, 86.87 feet to the point of beginning, thence for the lands designated Open Space, as follows, to wit: (1) South 00 degrees 04 minutes 47 seconds West, 65.35 feet by the line with Lot 138 to a point, thence continuing by the line with Lot 138; (2) South 89 degrees 51 minutes 15 seconds East, 205.62 feet to a point on the line of the lands now or formerly of Lawrence E. Barrage, thence thereby; (3) South 00 degrees 20 minutes 36 seconds West, 175.74 feet to a point on the northerly line of the Coatesville-Downingtown By-Pass, 140 feet wide, thence thereby; (4) southwesterly 680.63 feet by the arc of a curve to the left, having a radius 57,365.80 feet (chord=South 82 degrees 45 minutes 21 seconds West, 680.62 feet) to a common corner with the lands now or formerly of Valley Springs Subdivision Plan File No. 7246-7248, thence by the common line with Valley Springs Subdivision, the following ten courses and distances:

(5) North 01 degree 58 minutes 36 seconds West, 221.58 feet to a point, thence continuing; (6) North 22 degrees 28 minutes 51 seconds West, 120.53 feet to a point, thence continuing; (7) North 50 degrees 29 minutes 53 seconds West, 177.40 feet to a point, thence continuing; (8) North 15 degrees 50 minutes 22 seconds East, 42.00 feet to a point, thence continuing; (9) South 74 degrees 09 minutes 38 seconds East, 177.00 feet to a point, thence continuing; (10) South 64 degrees 02 minutes 00 seconds East, 113.77 feet to a point, thence continuing; (11) South 74 degrees 09 minutes 38 seconds East, 240.00 feet to a point, thence continuing; (12) North 85 degrees 08 minutes 39 seconds East, 96.21 feet to a point, thence continuing; (13) South 86 degrees 27 minutes 05 seconds East, 50.65 feet to the point and place of beginning, and containing within these metes and bounds 4.604 Acres of land, more or less.

BEING PART OF THE SAME PREMISES which Michael A. Welsh, Fred Tropea and A. Charles Larkin, Jr., by Deed dated February 26, 1993, and recorded in the Office for the Recording of Deeds in and for Chester County, Pennsylvania, in Deed Book 3522, Page 0569, granted and conveyed unto Suburban Federal Savings Bank.

AND the said Suburban Federal Savings Bank is now known as Sovereign Bank.


Tax Parcel No. 38-2-337-499

And the said Grantor does hereby covenant to and with the said Grantee, that it, the said Grantor **SHALL and WILL by these presents,** warrant and forever defend the herein above described premises, with the hereditaments and appurtenances, unto the said Grantee, its successor and assigns, against the said Grantor, and against every other person lawfully claiming or who shall hereafter claim the same or any part thereof, by, from or under them or any of them.

IN WITNESS WHEREOF, the said Grantor has caused **these presents** to be duly executed, the day and year first above written.

SEALED AND DELIVERED In the Presence of:

SOVEREIGN BANK

By: 
ERICA S. HOFMANN, ASSISTANT VICE PRESIDENT

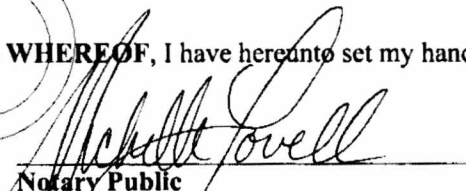
Attest:


MATTHEW D. HOFFMASTER

STATE OF PENNSYLVANIA: COUNTY OF ~~CHESTER~~ **BERKS**

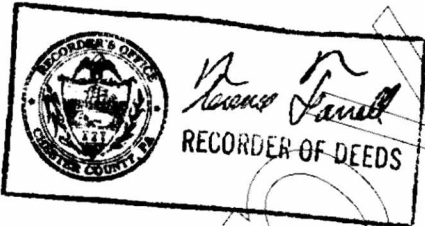
On this 14TH day of MARCH, 2001, before me, a notary public, the undersigned officer, personally appeared ERICA S. HOFMANN, who acknowledged himself to be the ASSISTANT V. PRES. of **Sovereign Bank**, and as such officer, being authorized to do so, executed the foregoing Deed for the purposes therein contained and desired the same to be recorded as such.

IN WITNESS WHEREOF, I have hereunto set my hand and notarial seal.


Notary Public

Notarial Seal
Michelle L. Lovell, Notary Public
Reading, Berks County
My Commission Expires Apr. 6, 2002
Member, Pennsylvania Association of Notaries

The address of the Grantee is: 890 West Lincoln Highway, Coatesville, PA 19320
Return To: Alan J. Jarvis, Esq., 744 East Lincoln Highway, Coatesville, PA 19320



04/30/2001 09:20:34 A.M. INST NO: 0024659
 CHESTER COUNTY, PA

OFFICE OF THE RECORDER OF DEEDS

RECEIPT NO: 0011486

DEED	\$15.00
CO REC FUND	\$1.00
HOUSING	\$15.00
MUNICIPAL/SCHOOL	\$0.00
RE REC FUND	\$1.00
ST TAX - DEEDS	\$0.00
WRIT - DEEDS	\$0.50
UPI NUMBER	\$5.00

 \$37.50

Unofficial Copy



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF REVENUE
BUREAU OF INDIVIDUAL TAXES
DEPT. 280603
HARRISBURG, PA 17128-0603

REALTY TRANSFER TAX STATEMENT OF VALUE

See Reverse for Instructions

Appendix A-15-a

RECORDER'S USE ONLY	
State Tax Paid	---
Book Number	4943
Page Number	1402
Date Recorded	4-30-01

Complete each section and file in duplicate with Recorder of Deeds when (1) the full value/consideration is not set forth in the deed, (2) when the deed is without consideration, or by gift, or (3) a tax exemption is claimed. A Statement of Value is not required if the transfer is wholly exempt from tax based on: (1) family relationship or (2) public utility easement. If more space is needed, attach additional sheet(s).

A CORRESPONDENT - All inquiries may be directed to the following person:

Name	ATTORNEY AT LAW 744 East Lincoln Hwy Coatesville, PA 19320	Telephone Number:	
Street Address		Area Code (610)	384-1151
		State	Zip Code

B TRANSFER DATA

Grantor(s)/Lessor(s)	Sovereign Bank	Date of Acceptance of Document	14 March 2001
Street Address	P.O. Box 12646	Grantee(s)/Lessee(s)	Valley Township
City	Reading	Street Address	890 West Lincoln Highway
State	PA	City	Coatesville
Zip Code	19612	State	PA
		Zip Code	19320

C PROPERTY LOCATION

Street Address	Lot No. 138 and Open Space Mineral Springs Road	City, Township, Borough	Valley Township
County	Chester	School District	Coatesville Area
		Tax Parcel Number	38-8-337 000

D VALUATION DATA

1. Actual Cash Consideration	\$1.00	2. Other Consideration	+ 0.00	3. Total Consideration	= \$1.00
4. County Assessed Value	0.00	5. Common Level Ratio Factor	X	6. Fair Market Value	= 0.00

E EXEMPTION DATA

1a. Amount of Exemption Claimed	100%	1b. Percentage of Interest Conveyed	100%
---------------------------------	------	-------------------------------------	------

2. Check Appropriate Box Below for Exemption Claimed

- Will or intestate succession (Name of Decedent _____ (Estate File Number) _____)
- Transfer to Industrial Development Agency.
- Transfer to a trust. (Attach complete copy of trust agreement identifying all beneficiaries.)
- Transfer between principal and agent. (Attach complete copy of agency/straw party agreement.)
- Transfers to the Commonwealth, the United States and Instrumentalities by gift, dedication, condemnation or in lieu of condemnation. (If condemnation or in lieu of condemnation, attach copy of resolution.)
- Transfer from mortgagor to a holder of a mortgage in default. Mortgage Book Number _____, Page Number _____
- Corrective or confirmatory deed. (Attach complete copy of the prior deed being corrected or confirmed.)
- Statutory corporate consolidation, merger or division. (Attach copy of articles.)
- Other (Please explain exemption claimed, if other than listed above.) _____

Under penalties of law, I declare that I have examined this Statement, including accompanying information, and to the best of my knowledge and belief, it is true, correct and complete.

Signature of Correspondent or Responsible Party	Alan J. Jarvis, Esquire	Date	
---	-------------------------	------	--

FAILURE TO COMPLETE THIS FORM PROPERLY OR ATTACH APPLICABLE DOCUMENTATION MAY RESULT IN THE RECORDER'S REFUSAL TO RECORD THE DEED.

BK4943PG1407

6. REGULATORY REQUIREMENTS



Appendix A to a
Valley Springs Water Company
Inilla Valley V-2
Valley Township, Chester County

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
1875 New Hope Street
Norristown, PA 19401
215 270-1935

January 21, 1988

Valley Township Authority
858 Reesville Road
Coatesville, PA 19320

Attention: Mr. Paul Kinsey
Chairman

Re: Water Supply Permit No. 1587508
Valley Springs Water Company
Wells V-1 and V-2
Valley Township, Chester County

Gentlemen:

Referenced permit is enclosed.

Please study the permit carefully and direct any questions to the Bureau of
Community Environmental Control, Norristown Regional Office.

Very truly yours,

LEWIS LUCHIE, JR.
Regional Sanitarian Manager

LL:MT:amc

Enclosures: Permit
Chapter 109

cc: R.E. Coleman Associates, Inc.
Chester County Health Department
Re - CEC
Cc - CEC ✓
(SNC)343.1

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF COMMUNITY ENVIRONMENTAL CONTROL

PUBLIC WATER SUPPLY PERMIT

NO. 1587508

<p>A. PERMITTEE: (Name and Address)</p> <p>Valley Township Authority 858 Roseville Road Coatesville, PA 19320</p>	<p>B. PROJECT LOCATION</p> <p>Municipality <u>Valley Township</u> County <u>Chester</u></p>			
<p>C. THIS PERMIT APPROVES FOR: 1. <input checked="" type="checkbox"/> Use as Source of Supply 2. <input type="checkbox"/> Construction 3. <input type="checkbox"/> Operation</p> <p>AS INDICATED BELOW:</p> <table style="width:100%; border: none;"> <tr> <td style="width:33%; vertical-align: top;"> <p>4. Source</p> <p><input type="checkbox"/> Well(s) <input type="checkbox"/> Spring(s) <input type="checkbox"/> Stream <input type="checkbox"/> Lake</p> </td> <td style="width:33%; vertical-align: top;"> <p>5. Facilities</p> <p><input type="checkbox"/> Impoundment <input type="checkbox"/> Settling <input type="checkbox"/> Filtration <input type="checkbox"/> Iron and Manganese Treatment <input type="checkbox"/> Softening <input type="checkbox"/> Fluoridation <input type="checkbox"/> Other _____</p> </td> <td style="width:33%; vertical-align: top;"> <p><input type="checkbox"/> Stabilization <input type="checkbox"/> Disinfection <input type="checkbox"/> Pump Station(s) <input type="checkbox"/> Transmission Lines <input type="checkbox"/> Distribution Storage <input type="checkbox"/> Distribution System</p> </td> </tr> </table> <p>KNOWN AS <u>Valley Springs Water Company - Wells V-1 and V-2</u></p>		<p>4. Source</p> <p><input type="checkbox"/> Well(s) <input type="checkbox"/> Spring(s) <input type="checkbox"/> Stream <input type="checkbox"/> Lake</p>	<p>5. Facilities</p> <p><input type="checkbox"/> Impoundment <input type="checkbox"/> Settling <input type="checkbox"/> Filtration <input type="checkbox"/> Iron and Manganese Treatment <input type="checkbox"/> Softening <input type="checkbox"/> Fluoridation <input type="checkbox"/> Other _____</p>	<p><input type="checkbox"/> Stabilization <input type="checkbox"/> Disinfection <input type="checkbox"/> Pump Station(s) <input type="checkbox"/> Transmission Lines <input type="checkbox"/> Distribution Storage <input type="checkbox"/> Distribution System</p>
<p>4. Source</p> <p><input type="checkbox"/> Well(s) <input type="checkbox"/> Spring(s) <input type="checkbox"/> Stream <input type="checkbox"/> Lake</p>	<p>5. Facilities</p> <p><input type="checkbox"/> Impoundment <input type="checkbox"/> Settling <input type="checkbox"/> Filtration <input type="checkbox"/> Iron and Manganese Treatment <input type="checkbox"/> Softening <input type="checkbox"/> Fluoridation <input type="checkbox"/> Other _____</p>	<p><input type="checkbox"/> Stabilization <input type="checkbox"/> Disinfection <input type="checkbox"/> Pump Station(s) <input type="checkbox"/> Transmission Lines <input type="checkbox"/> Distribution Storage <input type="checkbox"/> Distribution System</p>		
<p>This Permit is also subject to the Standard Conditions Relating to Erosion Control (1973).</p> <p>Your application, its supporting documents and amendments are hereby made a part of this permit.</p> <p>YOU ARE HEREBY AUTHORIZED TO USE AS SOURCE(S) OF SUPPLY, CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109, ARTICLE II, OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL RESOURCES OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.</p> <p>NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.</p> <p>THIS PERMIT IS ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL RESOURCES UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(a) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.</p> <p>THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS _____</p> <p>THIS PERMIT IS SUBJECT TO THE FOLLOWING STANDARD CONDITIONS RELATING TO EROSION CONTROL _____</p>				
<p>PERMIT ISSUED <u>Jan 21 1985</u></p> <p>Date _____</p>	<p>DEPARTMENT OF ENVIRONMENTAL RESOURCES</p> <p>By <u><i>Lewis Luchie, Jr.</i></u> LEWIS LUCHE, JR. Regional Sanitarian Manager</p> <p>Title _____</p>			

Department of Environmental Resources

1875 New Hope Street
Norristown, PA 19401
215-270-1935

RECEIVED
DEPARTMENT OF ENVIRONMENTAL
RESOURCES

FEB 15 1988

RECORDED

file -

February 11, 1988

Valley Township Authority
858 Reeceville Road
Coatesville, PA 19320

Attention: Mr. Paul Kinsey
Chairman

Re: Water Supply Permit No. 1587508
Valley Springs Water Company
Wells V-1 and V-2
Valley Township, Chester County

Gentlemen:

On February 4, 1988 we received from Mr. Dan Hudson of R. E. Coleman Associates, Inc., on behalf of the Valley Spring Water Company, three drawings No. 1A, 5 Rev. 2 and 6 Rev. 1.

We have reviewed these drawings for an Aquadene treatment. As a result of this review, we find the proposed treatment acceptable and you are hereby notified that permit No. 1587508 is amended subject to the provisions and conditions therein.

Very truly yours,

MING W. TSANG
Sanitary Engineer

cc: R.E. Coleman Associates, Inc.
Chester County Health Department
Re 30 (MCL)42.9



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

1875 New Hope Street
Norristown, PA 19401
215 270-1935

April 3, 1989

Valley Township Authority
858 Peeceville Road
Coatsville, PA 19320

Attention: Mr. Paul Kinsey
Chairman

Re: Water Supply Permit No. 1588503
Well No. V-4
Valley Township
Chester County

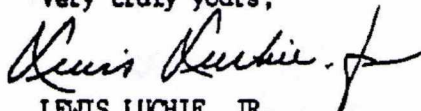
Gentlemen:

Referenced permit is enclosed.

Please study the permit carefully and direct any questions to the Bureau of
Community Environmental Control, Norristown Regional Office.

Upon completion of construction, prior to operation, the Department should be
notified so that a final inspection can be performed.

Very truly yours,


LEWIS LUCHIE, JR.
Sanitarian Regional Manager

LL:MT:bjc

Enclosures: Permit
Chapter 109

cc: Chester County Health Department
R. E. Coleman Associates, Inc.
Re - CEC
Ce - CEC
(BJO) 323.6

PC-43: Rev. 1/85

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF COMMUNITY ENVIRONMENTAL CONTROL

PUBLIC WATER SUPPLY PERMIT

NO. 1588503

<p>A. PERMITEE: (Name and Address) Valley Township Authority 858 Reeceville Road Coatesville, PA 19320</p>	<p>B. PROJECT LOCATION Municipality <u>Valley Township</u> County <u>Chester</u></p>			
<p>C. THIS PERMIT APPROVES FOR: 1. <input type="checkbox"/> Use as Source of Supply 2. <input checked="" type="checkbox"/> Construction 3. <input checked="" type="checkbox"/> Operation</p> <p>AS INDICATED BELOW:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top; padding: 5px;"> <p>4. Source</p> <p><input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Spring(s) <input type="checkbox"/> Stream <input type="checkbox"/> Lake</p> </td> <td style="width: 33%; vertical-align: top; padding: 5px;"> <p>5. Facilities</p> <p><input type="checkbox"/> Impoundment <input type="checkbox"/> Settling <input type="checkbox"/> Filtration <input checked="" type="checkbox"/> Iron and Manganese Treatment <input type="checkbox"/> Softening <input type="checkbox"/> Fluoridation <input type="checkbox"/> Other _____</p> </td> <td style="width: 33%; vertical-align: top; padding: 5px;"> <p><input type="checkbox"/> Stabilization <input checked="" type="checkbox"/> Disinfection <input checked="" type="checkbox"/> Pump Station(s) <input checked="" type="checkbox"/> Transmission Lines <input checked="" type="checkbox"/> Distribution Storage <input checked="" type="checkbox"/> Distribution System</p> </td> </tr> </table> <p>KNOWN AS <u>Well No. V4</u></p>		<p>4. Source</p> <p><input checked="" type="checkbox"/> Well(s) <input type="checkbox"/> Spring(s) <input type="checkbox"/> Stream <input type="checkbox"/> Lake</p>	<p>5. Facilities</p> <p><input type="checkbox"/> Impoundment <input type="checkbox"/> Settling <input type="checkbox"/> Filtration <input checked="" type="checkbox"/> Iron and Manganese Treatment <input type="checkbox"/> Softening <input type="checkbox"/> Fluoridation <input type="checkbox"/> Other _____</p>	<p><input type="checkbox"/> Stabilization <input checked="" type="checkbox"/> Disinfection <input checked="" type="checkbox"/> Pump Station(s) <input checked="" type="checkbox"/> Transmission Lines <input checked="" type="checkbox"/> Distribution Storage <input checked="" type="checkbox"/> Distribution System</p>
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<p>This Permit is also subject to the Standard Conditions Relating to Erosion Control (1973). Your application, its supporting documents and amendments are hereby made a part of this permit.</p> <p>YOU ARE HEREBY AUTHORIZED TO USE AS SOURCE(S) OF SUPPLY, CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109, ARTICLE II, OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL RESOURCES OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITEE BY THE ISSUANCE OF THE PERMIT.</p> <p>NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.</p> <p>THIS PERMIT IS ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL RESOURCES UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(e) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.</p> <p>THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS _____</p> <p>THIS PERMIT IS SUBJECT TO THE FOLLOWING STANDARD CONDITIONS RELATING TO EROSION CONTROL _____</p>				
<p style="text-align: center;">PERMIT ISSUED</p> <p>Date <u>4-3-89</u></p>	<p style="text-align: center;">DEPARTMENT OF ENVIRONMENTAL RESOURCES</p> <p>By <u><i>Lewis Luchie, Jr.</i></u> LEWIS LUCHIE, JR. Regional Sanitarian Manager</p>			

Pennoni

PENNONI ASSOCIATES INC.
CONSULTING ENGINEERS

May 21, 1999

One Riverwalk Centre, Suite 333

110 South Poplar Street

P.O. Box 8727

Wilmington, DE 19899-8727

Tel: 302•655•4451

Fax: 302•654•2895

VLTW 7740 038.10

Pennsylvania Department of Environmental Protection
Bureau of Watershed Conservation
P. O. Box 8555
Harrisburg, PA 17105-8555

Attention: Mr. William A. Gast, Chief

Re: DEP File No. W90:19
Well Registration
Valley Township

Dear Mr. Gast:

At the request of the Board of Supervisors of Valley Township, we are enclosing completed registration forms for three wells supplying a public water distribution system in Valley Township.

These wells were installed in 1987 by a developer and have been under control of the Township since 1992.

If you have any questions, please contact me at your convenience.

Yours very truly,

PENNONI ASSOCIATES INC.



David D. Johnson, P. E.
Valley Township Engineer

Cc: Board of Supervisors
Karen E. Chandler, Secretary

Attachments

WELL REGISTRATION FORM
(See instructions on reverse side)

1. Owner Identification

a. Well owner Valley Township
 b. Mailing address P.O. Box 467
890 W. Lincoln Hwy.
Coatesville, PA 19320

2. Well Identification

a. Owners Well No. V-1
 b. County Chester
 c. Township or Borough Valley Twp.
 d. U.S.G.S. Quadrangle Name Coatesville
 Lat 75 50' 28.6" N 47"
 Lon 39 59' 27.14" W 46"

3. Water Use (check one)

- Agriculture, non irrigation
- Commercial (inc. institutional)
- Domestic
- Industrial
- Irrigation
- Air conditioning
- Public water supply
- Mining
- Dewatering
- Nuclear power
- Fossil-fueled power
- Geothermal heat pump
- Sewage treatment
- Other

4. Estimated Water Use

Average daily water use during peak 30-day period gpd
 Metered? yes no

a. Installation date (month/day/year)
 b. Pump capacity 20 (gpm)
 c. Motor capacity 2HP (hp)
 d. Power source Electric 480V (electric, gasoline, diesel, etc.)

e. Pump manufacturer and type
Goulds/45J
Submersible
 f. Pump intake setting (ft. below land surface)

g. Current pumping water level 19.05 (ft. below land surface)

6. Manner and Location of Wastewater Disposal (check all that apply)

- Sewage treatment plant
 Name of plant City of Coatesville Name of stream
 Private, on-site wastewater treatment Auth.
 Plant
 Lagoon
 NPDES Permit No.
- Direct (untreated) discharge to a stream
- Injection well (locate on U.S.G.S. Quad)
- Other
- Septic system (locate on U.S.G.S. Quad)
- Spray irrigation (locate on U.S.G.S. Quad)

7. Well Construction Information

a. Date of well completion 4/10/87 (month/day/year)
 b. Driller's name B.L. Meyers Bros.
 c. State license No. 1290
 d. Depth drilled 220 (ft. below land surface)
 e. Depth of completed well 220 (ft. below land surface)
 h. Casings
 Depth to top (ft. below land surface)
 Casing 1
 Casing 2
 Casing 3
 Open hole

f. Driller's Log (can be attached)

Description	Top	Bottom

g. Drilling method (check one)
 Augered
 Air rotary
 Bored
 Mud rotary
 Cable tool
 Reverse
 Driven
 Washed
 Jetted
 Other (specify)

i. Screen yes no
 Depth to top (ft. below land surface)
 Depth to bottom (ft. below land surface)
 Diameter (inches)
 Material and type

j. Grout Information
 Grout top 0 (ft. below land surface)
 Grout bottom 63 (ft. below land surface)
 Material Cement

K. Water-yielding zones
 Depth to top (ft. below land surface) Depth to bottom (ft. below land surface)
 1. Intake at 19.5'
 2. below surface
 3.

l. Gravel pack yes no
 Depth to top (ft. below land surface)
 Depth to bottom (ft. below land surface)
 Diameter (inches)

8. Pump Test Well Yield Information

a. Date 5/5/87
 b. Static water level (ft. above (+) or below land surface)
 c. Pumping water level (ft. below land surface)

d. Length of test 48 (hours and minutes)
 e. Pumping rate 57 (gpm)
 f. Pumping measurement method
meter

g. Maximum sustainable well yield 57 (gpm)

9. Verification

a. Name of person supplying data David D. Johnson, P.E. b. Telephone N302-655-4451
 c. Address Pennoni Associates Inc. d. Date 5/19/99
P.O. Box 8727
Wilmington, DE 19899-8727
 e. Signature David D. Johnson

For Official use only

The ground-water withdrawal as described above has been registered in accordance with the Delaware River Basin Commission's Resolution No. 85-19.

Registration No.: Validated:

White = State Pink = Owner
 Canary = Delaware River Basin Commission

WELL REGISTRATION FORM
(See instructions on reverse side)

1. Owner Identification

a. Well owner Valley Township
 b. Mailing address P.O. Box 467
890 W. Lincoln Hwy.
Coatesville, PA 19320

2. Well Identification

a. Owners Well No. V-2
 b. County Chester
 c. Township or Borough Valley Twp.
 d. U.S.G.S. Quadrangle Name Coatesville
 Lat 75 50' 28.1" 50"
 Lon 39 59' 27.6" 46"

3. Water Use (check one)

- Agriculture, non irrigation
- Commercial (inc. institutional)
- Domestic
- Industrial
- Irrigation
- Air conditioning
- Public water supply
- Mining
- Dewatering
- Nuclear power
- Fossil-fueled power
- Geothermal heat pump
- Sewage treatment
- Other

4. Estimated Water Use

Average daily water use during peak 30-day period gpd
 Metered? yes no

5. Pump Information

a. Installation date 7/20/87 (month/day/year)
 b. Pump capacity 57 (gpm)
 c. Motor capacity 5 HP (hp)
 d. Power source Electric 480V (electric, gasoline, diesel, etc.)
 e. Pump manufacturer and type Goulds/30T Submersible
 f. Pump intake setting (ft. below land surface)
 g. Current pumping water level 6.4 (ft. below land surface)

6. Manner and Location of Wastewater Disposal (check all that apply)

- Sewage treatment plant
 Name of plant City of Coatesville
 Private, on-site wastewater treatment
 Plant
 Lagoon
 NPDES Permit No.
- Direct (untreated) discharge to a stream
- Injection well (locate on U.S.G.S. Quad)
- Other
- Septic system (locate on U.S.G.S. Quad)
- Spray irrigation (locate on U.S.G.S. Quad)

7. Well Construction Information

a. Date of well completion 7/20/87 (month/day/year)
 b. Driller's name B.L. Myers Bros.
 c. State license No. 1290
 d. Depth drilled 310 (ft. below land surface)
 e. Depth of completed well 310 (ft. below land surface)

f. Driller's Log (can be attached)		
Description	Top	Bottom

- g. Drilling method (check one)
- Augered
 - Air rotary
 - Bored
 - Mud rotary
 - Cable tool
 - Reverse
 - Driven
 - Washed
 - Jetted
 - Other (specify)

h. Casings

	Depth to top (ft. below land surface)	Depth to bottom (ft. below land surface)	Diameter (inches)	Material (iron, steel, or PVC)
Casing 1				
Casing 2				
Casing 3				
Open hole				

Well Registration Form
 Division of Water Resources & Administration
 Department of Natural Resources
 Harrisburg, PA 17104

i. Screen yes no
 Depth to top (ft. below land surface)
 Depth to bottom (ft. below land surface)
 Diameter (inches)
 Material and type

j. Grout Information
 Grout top 0 (ft. below land surface)
 Grout bottom 63 (ft. below land surface)
 Material Cement

k. Water-yielding zones

Depth to top	Depth to bottom
(ft. below land surface)	(ft. below land surface)
1. <u>Intake at 226'</u>	
2. <u>below surface</u>	
3.	

8. Pump Test Well Yield Information

a. Date 8/3/87
 b. Static water level (ft. above (+) or below land surface)
 c. Pumping water level 113.5 (ft. below land surface)
 d. Length of test 48 (hours and minutes)
 e. Pumping rate 27.22 (gpm)
 f. Pumping measurement method meter
 g. Maximum sustainable well yield 27.6

9. Verification

a. Name of person supplying data David D. Johnson, PE
 b. Telephone No. 302-655-4451
 c. Address Pennoni Associates Inc.
P.O. Box 8727
Wilmington, DE 19899-8727
 d. Date 5/19/99
 e. Signature David D. Johnson

For Official use only

The ground-water withdrawal as described above has been registered in accordance with the Delaware River Basin Commission's Resolution No. 85-19.

Registration No.: Validated:

White = State Pink = Owner
 Canary = Delaware River Basin Commission

WELL REGISTRATION FORM
(See instructions on reverse side)

1. Owner Identification

a. Well owner Valley Township
 b. Mailing address P.O. Box 467
890 W. Lincoln Hwy.
Coatesville, PA 19320

2. Well Identification

a. Owners Well No. V-4
 b. County Chester
 c. Township or Borough Valley Twp.
 d. U.S.G.S. Quadrangle Name Coatesville
 Lat 75 50' 55"
 Lon 39 59' 42"

3. Water Use (check one)

- Agriculture, non irrigation
- Commercial (inc. institutional)
- Domestic
- Industrial
- Irrigation
- Air conditioning
- Public water supply
- Mining
- Dewatering
- Nuclear power
- Fossil-fueled power
- Geothermal heat pump
- Sewage treatment
- Other

4. Estimated Water Use

Average daily water use during peak 30-day period gpd
 Metered? yes no

5. Pump Information

a. Installation date (month/day/year)
 b. Pump capacity 108 (gpm)
 c. Motor capacity 16 HP (hp)
 d. Power source Electric 480V (electric, gasoline, diesel, etc.)
 e. Pump manufacturer and type Crown
Submersible
 f. Pump intake setting (ft. below land surface)
 g. Current pumping water level 21.9 (ft. below land surface)

6. Manner and Location of Wastewater Disposal (check all that apply)

- Sewage treatment plant
 Name of plant City of Coatesville Name of stream
 Private, on-site wastewater treatment Auth.
 Plant
 Lagoon
 NPDES Permit No.
 Direct (untreated) discharge to a stream
 Injection well (locate on U.S.G.S. Quad)
 Other
 Septic system (locate on U.S.G.S. Quad)
 Spray irrigation (locate on U.S.G.S. Quad)

7. Well Construction Information

a. Date of well completion 9/29/87 (month/day/year)
 b. Driller's name B.L. Myers Bros.
 c. State license No. 1290
 d. Depth drilled 285 (ft. below land surface)
 e. Depth of completed well (ft. below land surface)
 h. Casings
 Depth to top (ft. below land surface)
 Depth to bottom (ft. below land surface)
 Diameter (inches)
 Material (iron, steel, or PVC)
 Casing 1
 Casing 2
 Casing 3
 Open hole

f. Driller's Log (can be attached)

Description	Top	Bottom
.....
.....
.....
.....

- g. Drilling method (check one)
- Augered
 - Air rotary
 - Bored
 - Mud rotary
 - Cable tool
 - Reverse
 - Driven
 - Washed
 - Jetted
 - Other (specify)

i. Screen yes no
 Depth to top (ft. below land surface)
 Depth to bottom (ft. below land surface)
 Diameter (inches)
 Material and type

j. Grout Information
 Grout top 0 (ft. below land surface)
 Grout bottom 37 (ft. below land surface)
 Material Cement

K. Water-yielding zones
 Depth to top (ft. below land surface) (ft. below land surface)
 1.
 2.
 3.

l. Gravel pack yes no
 Depth to top (ft. below land surface)
 Depth to bottom (ft. below land surface)
 Diameter (inches)

8. Pump Test Well Yield Information

a. Date 10/26/87
 b. Static water level 21.425 (ft. above (+) or below land surface)
 c. Pumping water level (ft. below land surface)
 d. Length of test 48 (hours and minutes)
 e. Pumping rate 108 (gpm)
 f. Pumping measurement method
 g. Maximum sustainable well yield 108 (gpm)

9. Verification

a. Name of person supplying data David D. Johnson, PE
Pennoni Associates Inc.
 b. Telephone No. 302-655-4451
 c. Address P.O. Box 8727
Wilmington, DE 19899-8727
 d. Date 5/19/99
 e. Signature David D. Johnson

For Official use only

The ground-water withdrawal as described above has been registered in accordance with the Delaware River Basin Commission's Resolution No. 85-19.

Registration No.: Validated:

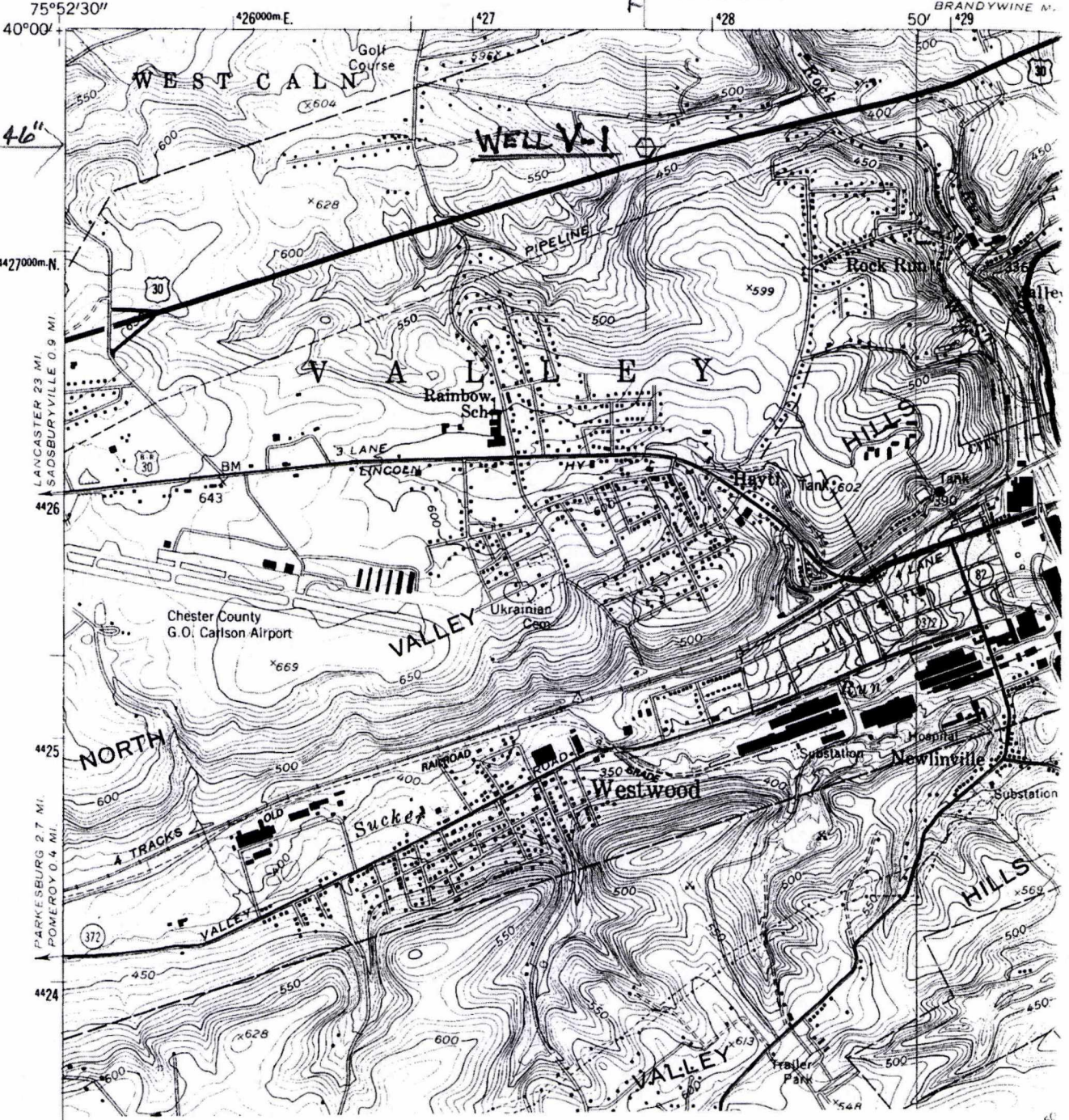
White = State
 Pink = Owner
 Canary = Delaware River Basin Commission

586' 11" SW
(HONEY BROOK)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Appendix A-15-a

PENNSYLVANIA TURNPIKE (MORGANTOWN INTERCH.
BRANDYWINE M.)

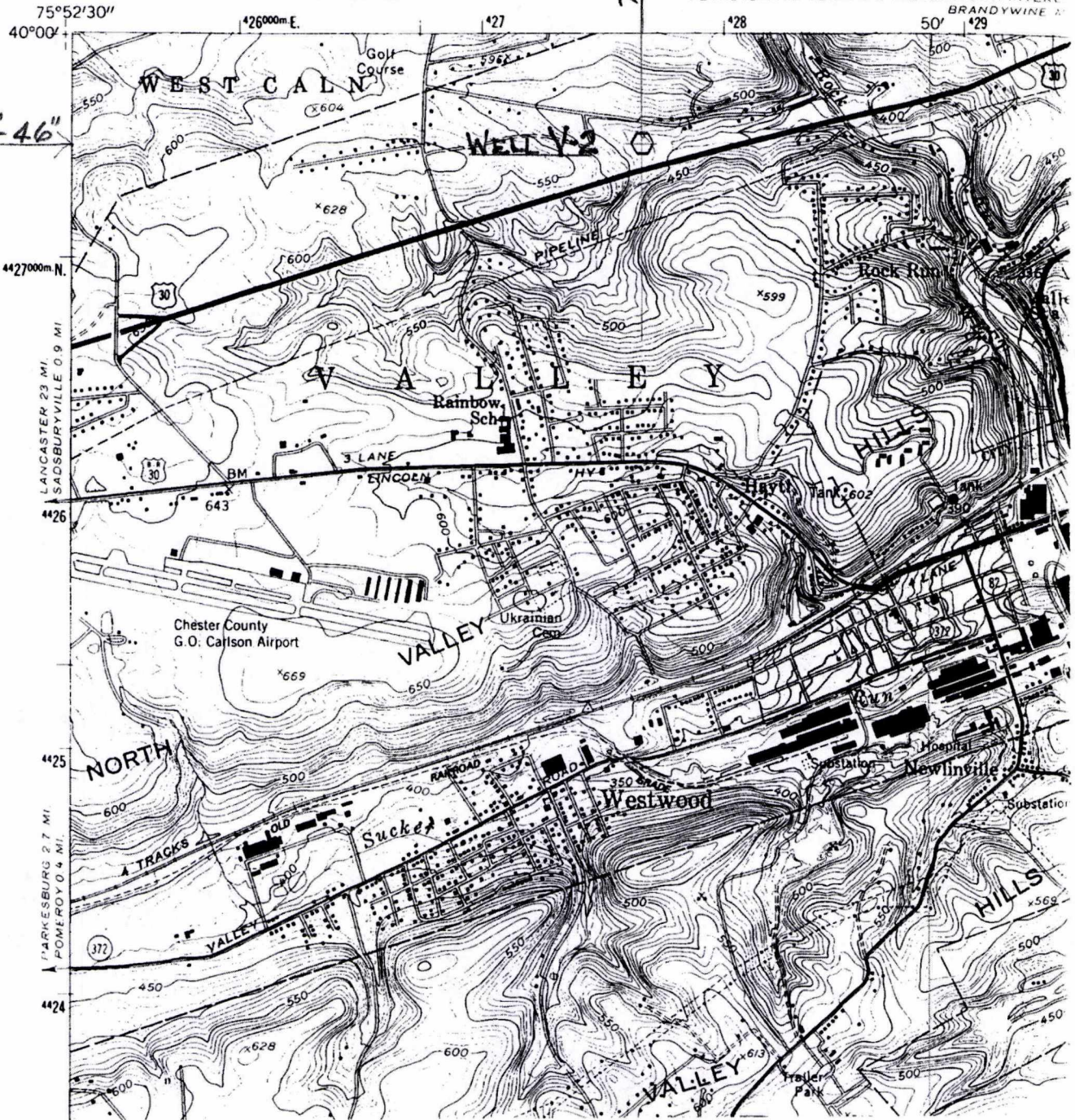


WELL LOCATION MAP
VALLEY TOWNSHIP, CHESTER COUNTY
WELL V - 1
 COATESVILLE QUADRANGLE
 SCALE 1:24,000



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PENNSYLVANIA TURNPIKE (MORGANTOWN INTERC.
BRANDYWINE R.)



57'30"

4423

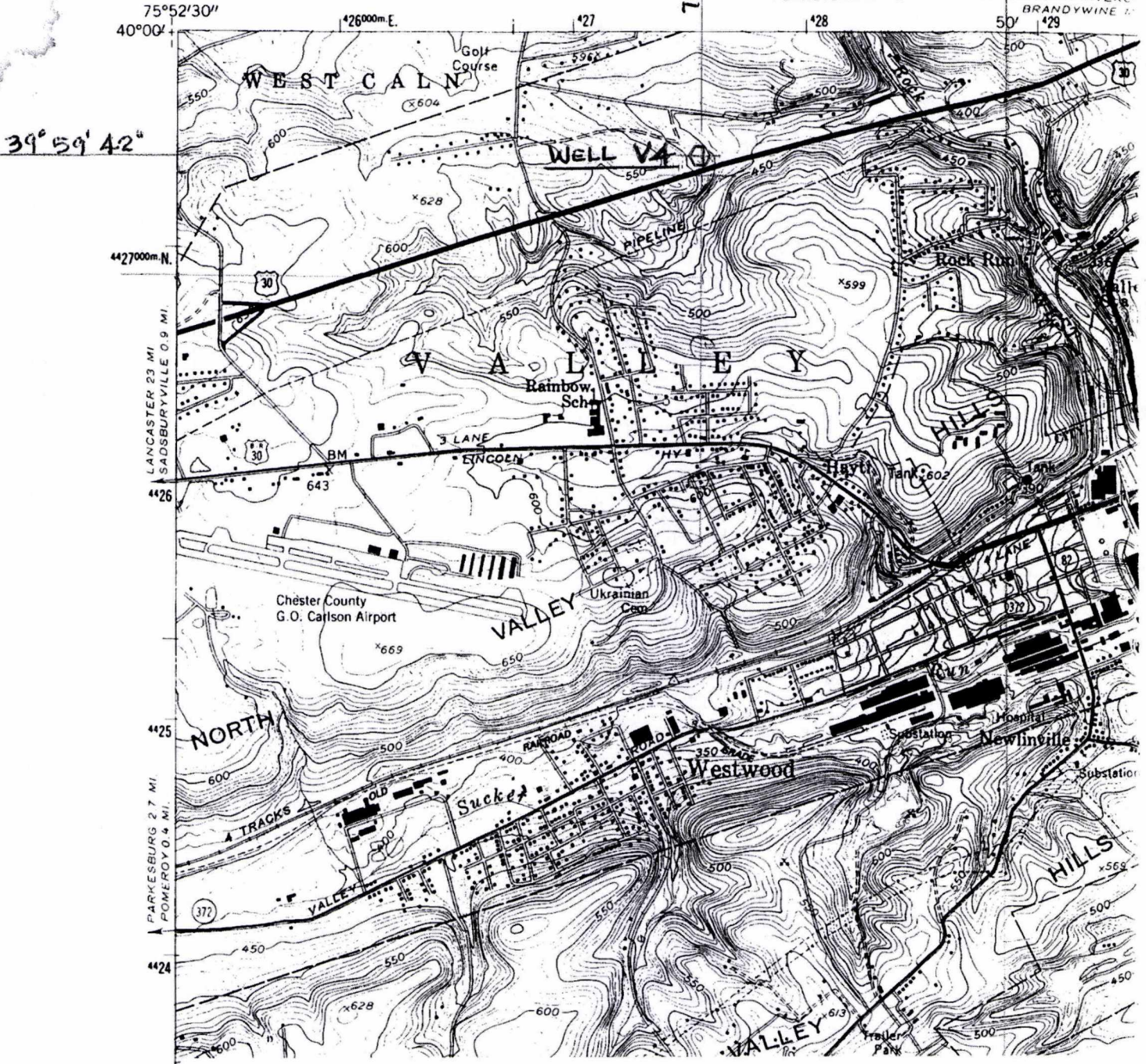
WELL LOCATION MAP
VALLEY TOWNSHIP, CHESTER COUNTY
WELL V - 2
 COATESVILLE QUADRANGLE
 SCALE 1:24,000



5866 (1) SW
(HONEY BROOK)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Appendix A-15-a

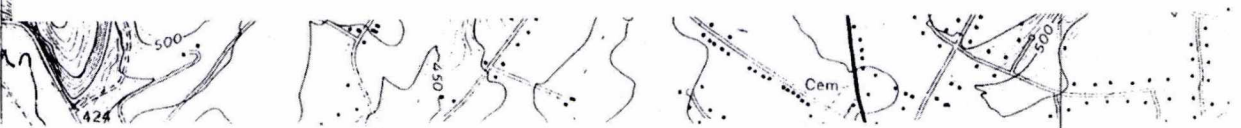


75°52'30"
40°00'
4270000m. N.
LANCASTER 23 MI.
SADSBUURYVILLE 0.9 MI.
4426
4425
PARVESBURG 2.7 MI.
POMEROY 4 MI.
4424
57'30"
4423

75° 50' 55"

PENNSYLVANIA TURNPIKE (MORGANTOWN INTERC.
BRANDYWINE R.

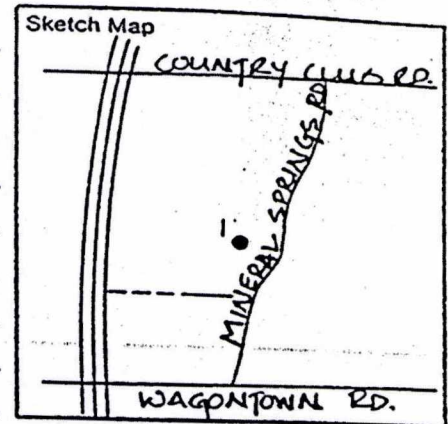
WELL LOCATION MAP
VALLEY TOWNSHIP, CHESTER COUNTY
WELL V - 4
 COATESVILLE QUADRANGLE
 SCALE 1:24,000





Project Valley Springs **Owner** John McGinn
Location Mineral Springs Rd. **Permit No.** 13003
Well Number 1 (Test) **Total Depth** 220 **Diameter** 6"
Casing Elevation 421.13 **Water Level: Initial** **Static** 19.25
Screen: Dia. N/A **Length** N/A **Slot Size** N/A
Casing: Dia. 6" **Length** 62' **Type** Steel
Drilling Method Air Rotary **Sample Method** Every 5'
Completion Details N/A
Driller B. L. Myers Bros. **Log By** RMD **Date Drilled** 4/10/87

Drilling Log



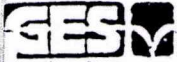
Depth (Feet)	Sample Number	Well Construction	Core Reading	LITHOLOGY
0-63				Over burden saprolite.
69'				Very weathered green mafic band.
74'				Pegmatite type fragments-very weathered qtz. nodules.
85'				Gneiss type rock, (low grade variety).
94'				Pegmatite band - very similar to 74' depth sample.
105'				Gneiss type band (mafic rich unit-low grade variety)
126'				Gneiss, very well formed, medium grained. Less weathered than above mafic band.



Project Valley Springs
 Well Number 1 (Test)
 Date 4/10/87

Depth (Feet)	Sample Number	Well Construction	Oya Reading	LITHOLOGY
155				Gneiss, very well formed, medium grained. Less weathered than above mafic band.
186				Felsic band-predominantly qtz., abundant water.
225				End hole in this felsic band. Flow approximately 60 gpm at first flow prediction.

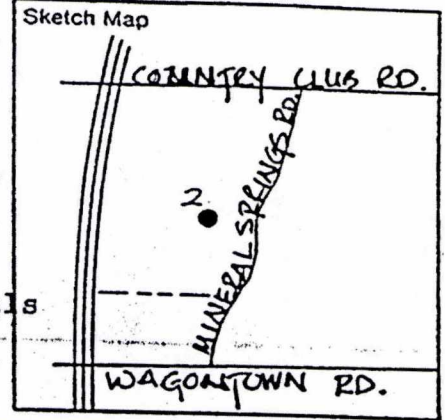
PROJECT NO. 15-15-a
 VALLEY SPRINGS, MISSOURI
 COATESVILLE, MISSOURI



Groundwater & Environmental Services, Inc.

Drilling Log

Project Valley Springs Owner John McGinn
 Location Mineral Springs Rd. Permit No. 13004
 Well Number 2 Total Depth 310' Diameter 8"
 Casing Elevation 421.07 Water Level: Initial _____ Static 7.41
 Screen: Dia. N/A Length N/A Slot Size N/A
 Casing: Dia. 8" Length 60' Type Steel
 Drilling Method Air Rotary Sample Method Grab-15' intervals
 Completion Details Locking Well cap
 Driller B. Giuseppi/Myers Log By RMD Date Drilled 7/20/87



Depth (Feet)	Sample Number	Well Construction	Oya Reading	LITHOLOGY
0-65	1			Overburden material. Composed of fine grained sands and rock fragments. Upper water bearing zones were encountered at 10'-15' yielding 3 gpm (E), and at 30'-38' yielding 40 gpm (E).
65	2			Very weathered gabbro (black), a lot of water coming up the well making sampling difficult.
110'	3			Qtz. rich band, very weathered.
120'	4			Maffic zone-very fine grained plagioclase crystals containing qtz stringer (gabbroic gneiss) A lot of water coming up well, hence, no sample grab.
135'	5			Maffic zone-same as sample 4 (gabbroic gneiss)
140'	6			Maffic zone-same as sample 4 (gabroic gneiss)
160	7			Felsic zone-pegmatite type material-very weathered (feldspar rounded grains) Angular qtz. fragments



Groundwater & Environmental Services, Inc.

Project Valley Springs

Well Number V2

Date 7/20/87

Depth (Feet)	Sample Number	Well Construction	Ova Reading	LITHOLOGY
170	8			Maffic zone-gabroic gneiss less weathered, heavily fractured and cleaved along grain boundaries.
	10			No change
175	8a			Felsic zone-pegmatite-more equigranular Qtz., and feldspar. Abundant water (20 gpm)
				No change
195	9			Maffic unit-gabroic gneiss containing fine grained quartz stringers (myrmekitic in texture)
				No change
205	10			No change
215	11			No change
225	12			No change
235	13			Felsic boundary-very weathered quartz grains as groundmass to well cleaned feldspar grains.
245	14			No change



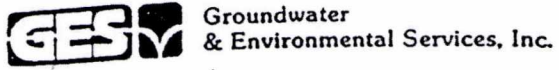
Groundwater & Environmental Services, Inc.

Project Valley Springs

Well Number V2

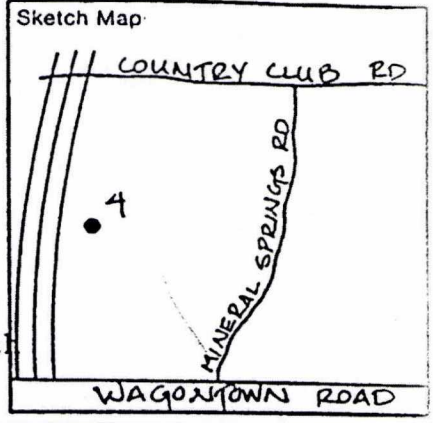
Date 7/20/87

Depth (Feet)	Sample Number	Well Construction	Ova Reading	LITHOLOGY
255	15			Maffic unit-very clean gabbro-appears to be very resilient to local stresses.
265	16			No change
275				No change
285				No change
290	17			Felsic unit-all weathered out quartz, no feldspars. No increase in water.
300				Maffic unit-gabbroic gneiss, containing quartz stringers with a subtle myrmekite texture.
				End hole Initial 20 GPM



Drilling Log

Project Valley Springs Owner Valley Authorities
 Location Mineral Springs & Country Club Road Permit No. 13023
 Well Number 4 Total Depth 285' Diameter 8"
 Casing Elevation 442.27' Water Level: Initial _____ Static 21.9'
 Screen: Dia. N/A Length N/A Slot Size N/A
 Casing: Dia. 8" Length 37' Type steel casing
 Drilling Method Air Rotary Sample Method Grab 10' intervals
 Completion Details Open well to 8" diameter, pressure grout with pitless adaptor and cap.
 Driller B. Giuseppe Log By RMD Date Drilled 9/29/87



Depth (Feet)	Sample Number	Well Construction	Ova Reading	LITHOLOGY
0-9				Unconsolidated sands, silt and host fragments.
9-16				Saprolite - composed of micaceous fragments, altered feldspar and well rounded quartz grains.
16				Host pegmatite-very weathered with the following model concentrations: quartz, kaolinite, muscovite, with minor amounts of epidote. (referred throughout the log as Host Pegmatite).
21				Quartz bearing member.
23				Host pegmatite.
31				Water -15-20 gpm. Very well preserved gabbroic gneiss containing well defined felsic inclusions.
37				Casing set into gabbroic gneiss approximately 5'.



Project Valley Springs

Well Number 4

Date 9/29/87

Depth (Feet)	Sample Number	Well Construction	Oya Reading	LITHOLOGY
38				Host Pegmatite.
39				Quartz bearing member.
42				Quartz bearing unit grading into a permineralized Host Pegmatite. epidote, muscovite, hornblende, of additional groundwater.
55				Gabbroic gneiss (2-6 gpm).
60				More competent gabbroic gneiss.
64				Quartz bearing unit - abundant water- 20-25 gpm.
67				More competent gabbroic gneiss.
79				Quartz bearing unit abundant water - 10-12 gpm.
85				Gabbroic gneiss
90				Quartz unit - abundant water - 5 gpm.
96				Gabbroic gneiss.
114				Quartz unit.



Groundwater & Environmental Services, Inc.

Project Valley Springs

Well Number 4

Date 9/29/87

Depth (Feet)	Sample Number	Well Construction	Ova Reading	LITHOLOGY
118				Gabbroic gneiss - alteration zone containing inclusions of epidote.
131				Quartz bearing unit grading into a permineralization zone, containing epidote, muscovite, hornblende, and other unidentifiable mafic accessories. +30. gpm (approx of additional groundwater).
154				
156				More competent gabbroic gneiss.
164				Quartz bearing unit (+ 30 gpm approx.)
186				Competent gabbroic gneiss.
198				Quartz bearing unit
215				Competent gabbroic gneiss.
230				Quartz bearing unit.
255				Very competent gabbroic gneiss.



Groundwater & Environmental Services, Inc.

Project Valley Springs

Well Number 4

Date 9/29/87

Depth (Feet)	Sample Number	Well Construction	Ova Reading	LITHOLOGY
275				Quartz bearing unit grading into a permineralization zone containing abundant pyrite, muscovite, hornblende and other unidentifiable mafic minerals.
288				End hole with gabbroic gneiss, flow tested at approx. (110 gpm).



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE

March 18, 2011

Ms. Karen Chandler
Valley Township
890 West Lincoln Highway
Coatesville, PA 19320

Re: Water Supply Permit No. 1511512
GWR Certification

Dear Ms. Chandler:

The Department of Environmental Protection (Department) agrees that at least 4-log treatment of viruses is achieved at Valley Springs Entry Point 101, provided the parameters outlined in the table below are maintained:

PWS ID No.	Source Name	Source ID	Entry Point ID	Minimum Chlorine Residual (mg/L)	Minimum Temperature (°C)	Maximum Flow Rate (gpm)
1150185	Well V1	001	101	0.40	5.0	150
	Well V2	002				
	Well V4	004				

Referenced permit certifying 4-log treatment of viruses is enclosed. This certification is contingent on conducting compliance monitoring, which you should begin by April 1, 2011. Your submission indicated that a continuous free chlorine analyzer will be installed at your treatment facility; however, due to the size of the population served by the Valley Springs system, you may conduct compliance monitoring via daily grab sampling until the analyzer is installed and online. Below are instructions for both monitoring types.

The compliance monitoring requirements for a public water system conducting grab sampling as described in Title 25 Pa. Code Section 109.1305 of the Department's regulations include:

- Collect a daily grab sample at the entry point or other location approved by the Department during the hour of peak flow indicated on the CWS *Demonstration of 4-Log Treatment of Viruses for Groundwater Sources* or at any other time specified by the Department.
- Maintain the Department approved minimum free chlorine residual every day the public water system serves water from the groundwater source to the public.

- If any daily grab sample measurement falls below the Department approved minimum free chlorine residual the system, collect follow up samples at least every four hours until the residual is restored to the Department approved minimum level.

The compliance monitoring requirements for public water systems conducting continuous monitoring as described in Title 25 Pa. Code Section 109.1305 of the Department's regulations include:

- Continuously monitor the free chlorine residual at the entry point or other location approved by the Department, and record the results at least every 15 minutes each day that water from the groundwater source is served to the public.
- Maintain the Department approved minimum free chlorine residual every day the public water system serves water from the groundwater source to the public.
- Conduct grab sampling every four hours until the continuous monitoring equipment is returned to service if there is a failure in the continuous monitoring equipment. The system shall resume continuous residual disinfectant monitoring within 14 days.

The reporting requirements associated with compliance monitoring include:

- Report the date, time, and lowest value each day the free chlorine residual remains equal to or greater than the Department required minimum value.
- Report the initial date, time, and value for each occurrence that the free chlorine residual is less than the Department required minimum, and the subsequent date, time, and value that the free chlorine residual is equal to or greater than the required minimum.
- Report each date the entry point is not in operation.

These reporting requirements can be satisfied by completing an SDWA-1 form on-line and submitting it to the Department within the first 10 days following the end of each monthly monitoring period via DWELR.

Ms. Karen Chandler

- 3 -

March 18, 2011

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.

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.

Please study the permit carefully and direct any questions to the Water Supply Management Program, Southeast Regional Office.

Sincerely,



Nancy R. Roncetti
Regional Manager
Water Supply Management

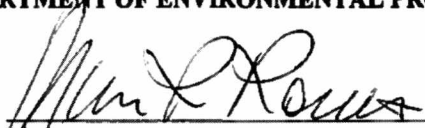
Enclosures: Permit

cc: Mr. Ellis – Pennoni Associates, Inc.
Mr. Robinson – Pennoni Associates, Inc.
Mr. Corey – WSM (w/enclosure)
Mr. Johnson – WSM (w/enclosure)
Re – WSM
Ms. Lashley
30 (GJS11WSM)74-6

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF WATER SUPPLY MANAGEMENT

PUBLIC WATER SUPPLY PERMIT

No. 1511512

<p>A. PERMITTEE: (Name and Address)</p> <p>Valley Township 890 West Lincoln Highway Coatesville, PA 19320</p>	<p>B. PROJECT/PLANT LOCATION</p> <p>Municipality <u>Valley Township</u></p> <p>County <u>Chester</u></p>			
<p>C. THIS PERMIT APPROVES FOR: 1. <input type="checkbox"/> CONSTRUCTION 2. <input checked="" type="checkbox"/> OPERATION OF FACILITIES</p> <p>AS INDICATED BELOW: Approved Under Construction Permit No. _____</p> <table style="width:100%; border: none;"> <tr> <td style="width:33%; vertical-align: top; padding: 5px;"> <p>Source</p> <p><input type="checkbox"/> Well(s)</p> <p><input type="checkbox"/> Spring(s)</p> <p><input type="checkbox"/> Surface Water</p> <p><input type="checkbox"/> Finished Water</p> </td> <td style="width:33%; vertical-align: top; padding: 5px;"> <p>Facilities</p> <p><input type="checkbox"/> Impoundment</p> <p><input type="checkbox"/> Settling</p> <p><input type="checkbox"/> Filtration</p> <p><input type="checkbox"/> Iron and Manganese Treatment</p> <p><input type="checkbox"/> Softening</p> <p><input type="checkbox"/> Fluoridation</p> <p><input type="checkbox"/> Distribution Facility</p> </td> <td style="width:33%; vertical-align: top; padding: 5px;"> <p>BVRB</p> <p><input type="checkbox"/> Bottled Water System</p> <p><input type="checkbox"/> Bulk Water Hauling System</p> <p><input type="checkbox"/> Vended Water System</p> <p><input type="checkbox"/> Retail Water Facility</p> </td> </tr> </table> <p><input type="checkbox"/> General Corrosion Control <input type="checkbox"/> Corrosion Control for Lead/Copper</p> <p><input type="checkbox"/> Disinfection</p> <p><input type="checkbox"/> Pump Station(s)</p> <p><input type="checkbox"/> Transmission Lines</p> <p><input type="checkbox"/> Finished Water Storage</p> <p><input checked="" type="checkbox"/> Other <u>4-log Treatment of Viruses</u></p>		<p>Source</p> <p><input type="checkbox"/> Well(s)</p> <p><input type="checkbox"/> Spring(s)</p> <p><input type="checkbox"/> Surface Water</p> <p><input type="checkbox"/> Finished Water</p>	<p>Facilities</p> <p><input type="checkbox"/> Impoundment</p> <p><input type="checkbox"/> Settling</p> <p><input type="checkbox"/> Filtration</p> <p><input type="checkbox"/> Iron and Manganese Treatment</p> <p><input type="checkbox"/> Softening</p> <p><input type="checkbox"/> Fluoridation</p> <p><input type="checkbox"/> Distribution Facility</p>	<p>BVRB</p> <p><input type="checkbox"/> Bottled Water System</p> <p><input type="checkbox"/> Bulk Water Hauling System</p> <p><input type="checkbox"/> Vended Water System</p> <p><input type="checkbox"/> Retail Water Facility</p>
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<p>KNOWN AS <u>Certification of 4-log Treatment of Viruses at Valley Springs System Entry Point 101</u></p>				
<p>LIMIT OF AUTHORIZATION</p> <p>YOU ARE HEREBY AUTHORIZED TO CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT) OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.</p> <p>THE PLANS, SPECIFICATION, REPORTS, AND SUPPORTING DOCUMENTS SUBMITTED AS PART OF THE PERMIT APPLICATION BECOME PART OF THE PERMIT.</p> <p>NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.</p> <p>THIS PERMIT IS ISSUED BY THE DEPARTMENT UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(e) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.</p> <p>THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS <u>I</u></p>				
<p>PERMIT ISSUED</p> <p>Date <u>March 18, 2011</u></p>	<p>DEPARTMENT OF ENVIRONMENTAL PROTECTION</p> <p>By <u></u></p> <p>Nancy R. Roncetti Regional Manager</p> <p>Title <u>Water Supply Management</u></p>			

**Public Water Supply Permit No. 1511512
Valley Township
Valley Township, Chester County**

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

I. The certification herein is based on the following:

PWS ID No.	Source Name	Source ID	Entry Point ID	Minimum Chlorine Residual (mg/L)	Minimum Temperature (°C)	Maximum Flow Rate (gpm)
1150185	Well V1	001	101	0.40	5.0	150
	Well V2	002				
	Well V4	004				

Re 30 (GJS11WSM)74-6b



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE

Appendix A-15-a

April 1, 2013

Ms. Patrice Proctor, Chairwoman
Valley Township
890 West Lincoln Highway
P.O. Box 467
Coatesville, PA 19320

Re: Valley Springs Water System
Application No. 1513502
APS No. 801629, AUTH No. 960006
Valley Township
Chester County

Dear Ms. Proctor:

Referenced permit for operating the existing Airport Road Interconnection with the Pennsylvania American Water Company (PAWC) is enclosed.

In accordance with the Department of Environmental Protection (Department) issuing an operations permit for the above-referenced interconnection, Valley Township is required to submit a subsidiary water allocation permit renewal application, under the Water Rights Act, Act of June 24, 1939, P.L. 842, 32 P.S. Sections 631-641, for all existing interconnections with the PAWC (Airport Road, Hillview, Mt Pleasant Street, and Red Road).

Valley Township's Subsidiary Water Allocation Permit No. WA-15-917, granting the right to purchase water from the City of Coatesville Authority (water system now owned and operated by the PAWC), expired on April 3, 2007.

Please submit the required permit application to the Department by June 30, 2013. The appropriate permit forms and instructions are available on the Department's website address located in the footer below (select "Water Allocation" from the "DEP Programs A-Z" menu).

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

Ms. Patrice Proctor, Chairwoman

- 2 -

April 1, 2013

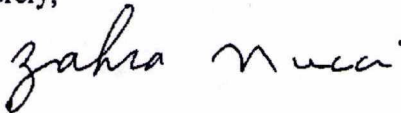
appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

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.

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.

Please study the permit carefully and direct any questions to the Safe Drinking Water program, Southeast Regional Office.

Sincerely,



Zahra Nucci, P.E.
Regional Manager
Safe Drinking Water

Enclosures: Permit

cc: Mr. Ellis, P.E. – Pennoni Associates, Inc.
Mr. Woolston – SDW (w/enclosure)
Mr. Johnson – SDW (w/enclosure)
File
Ms. Lashley
Re (GJS13SDW)80-8

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 SAFE DRINKING WATER

Appendix A-15-a

SAFE DRINKING WATER PERMIT

No. 1513502

A. PERMITTEE: (Name and Address)

Valley Township
 890 West Lincoln Highway
 Coatesville, PA 19320

B. PROJECT/PLANT LOCATION

Municipality Valley Township
 County Chester

C. THIS PERMIT APPROVES FOR:
 AS INDICATED BELOW:

1. CONSTRUCTION

2. OPERATION OF FACILITIES

Approved Under Construction Permit No. _____

- | <u>Source</u> | <u>Facilities</u> | <u>BVRB</u> |
|--|--|--|
| <input type="checkbox"/> Well(s) | <input type="checkbox"/> Impoundment | <input type="checkbox"/> Bottled Water System |
| <input type="checkbox"/> Spring(s) | <input type="checkbox"/> Settling | <input type="checkbox"/> Bulk Water Hauling System |
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| <input checked="" type="checkbox"/> Finished Water | <input type="checkbox"/> Iron and Manganese Treatment | <input type="checkbox"/> Retail Water Facility |
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| | <input type="checkbox"/> Disinfection | |
| | <input type="checkbox"/> Pump Station(s) | |
| | <input checked="" type="checkbox"/> Transmission Lines | |
| | <input type="checkbox"/> Finished Water Storage | |
| | <input checked="" type="checkbox"/> Other <u>Interconnection</u> | |

KNOWN AS Airport Road Interconnection with Pennsylvania American Water Company

LIMIT OF AUTHORIZATION

YOU ARE HEREBY AUTHORIZED TO CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT) OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.

THE PLANS, SPECIFICATION, REPORTS, AND SUPPORTING DOCUMENTS SUBMITTED AS PART OF THE PERMIT APPLICATION BECOME PART OF THE PERMIT.

NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.

THIS PERMIT IS ISSUED BY THE DEPARTMENT UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(e) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.

THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS I

PERMIT ISSUED

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Date MAR 29 2013

By Zahra Nucci
 Zahra Nucci, P.E.
 Regional Manager
 Title Safe Drinking Water

**Safe Drinking Water Permit No. 1513502
Valley Township
Valley Township, Chester County**

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

- I. The Water Rights Act, Act of June 24, 1939, P.L. 842, 32 P.S. Sections 631–641 requires a public water supply agency to hold a valid subsidiary water allocation permit for purchase of surface waters from another public water supply agency.

Re 30 (GJS13SDW)80-8a



Appendix A-15-a
1150185

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES 1150197

Post Office Box 8761
Harrisburg, PA 17105-8761
April 3, 1992

Bureau of Water Resources Management

717-541-7800

John E. High, Chairman
Valley Township Board of Supervisors
890 West Lincoln Highway
Coatesville, PA 19320

Re: DER File No. WA 15-917

Dear Mr. High:

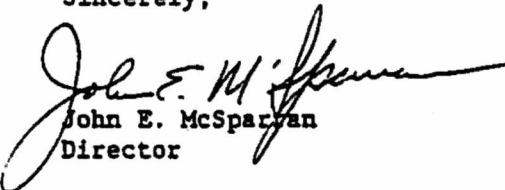
The water allocation application filed by Valley Township has been approved. Water Allocation Permit WA-917 which grants the Township the right to purchase up to a maximum of 250,000 gallons per day, as a 30-day average, from the City of Coatesville Authority in Chester County, is enclosed along with a report prepared on the application. Special attention should be given to the timeframes for completing actions as required by certain conditions of the permit.

Condition 4 of the permit requires that the Township install accurate measuring and recording instruments or devices to determine the amount of water purchased from the City of Coatesville Authority at each interconnection and submit monthly reports of the daily purchases to the Department at the address shown on the enclosed forms that may be used for this purpose.

Condition 5 requires the adoption of a drought contingency plan. For all water purchased from the City of Coatesville Authority, adoption of their drought contingency plan would satisfy this condition. Attention should also be given to Condition 6 which requires the development of a water conservation program. For assistance in the development of a conservation program, you may contact the Water Planning and Conservation Section, at the above address or by telephone at 717-541-7805.

If you have any questions regarding the permit conditions, you may contact Steve Runkle, Chief, Delaware River Basin Section, at the above address or by telephone at 717-541-7805.

Sincerely,


John E. McSparran
Director

Enclosures



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Post Office Box 8761
Harrisburg, Pennsylvania 17105-8761

Bureau of Water Resources Management

Valley Township
Chester County

Permit No. WA -917

WATER ALLOCATION PERMIT

The Department of Environmental Resources, established by the Act of December 3, 1970 (71 P.S. 51 et. seq.) and transferring the functions of the Water and Power Resources Board, under and by virtue of the authority vested in and imposed upon it by an Act of the General Assembly of Pennsylvania, entitled "An Act relating to the acquisition of rights to divert water from rivers, streams, natural lakes, ponds, or other surface waters within the Commonwealth or partly within and partly without the Commonwealth" etc., approved the 24th day of June, one thousand nine hundred and thirty-nine, P.L. 842 (Act No. 365) hereby grants leave to Valley Township with its principal offices located in Valley, Pennsylvania, to acquire and use for public water supply purposes, subject to such existing rights and uses as may now be lawful, water rights in the following designated waters of the Commonwealth: the right to purchase up to a maximum of 250,000 gallons per day, as a 30-day average, from the City of Coatesville Authority in Chester County.

This permit is issued in response to an application filed with the Department of Environmental Resources on the 27th day of November, A.D. 1991, and with the understanding that the proposed source of water supply shall be developed as set forth in said application and in accompanying data filed with and made a part thereof, subject, however, to the provisions of the Act of June 24, 1939, P.L. 842 (No. 365), and the following conditions, regulations and restrictions:

1. This permit does not give any property rights, either in real estate or material, nor any exclusive privileges, nor shall it be construed to grant or confer any right, title, easement or interest in, to or over any land belonging to the Commonwealth of Pennsylvania; neither does it authorize any injury to private property nor invasion of private rights, nor any infringement of Federal, State or Local laws or regulations; nor does it obviate the necessity of obtaining Federal assent when necessary;
2. The duration of this permit shall be for the period of the contract between the permittee and the City of Coatesville Authority dated March 6, 1990, but shall in no case exceed 25 years, provided, however, that should the permittee for any reason whatsoever fail to take and use the water or water rights for which this permit is issued within a period of four years, or cease to take and use the water hereby allocated for any period of seven consecutive years, or terminate or fail to renew its purchase agreement with the City of Coatesville Authority, then this permit shall cease and be null and void; unless upon application by the permittee an extension of such period is granted by the Department of Environmental Resources;
3. The permittee shall, within 12 months after the date of this permit, file with the Department of Environmental Resources' State Water Plan Division, proof of the method and extent of its acquisition;

4. The permittee shall install accurate measuring and recording instruments or devices to determine the amount of water purchased from the City of Coatesville Authority at each interconnection. The design and layout of said measuring devices shall be submitted to and be approved by the Department of Environmental Resources' State Water Plan Division before installation. Records of daily flow readings shall be submitted to the State Water Plan Division monthly, and the original field records shall be available at all times for inspection by representatives of the Department. The required measuring devices shall be installed and readings shall begin within one year from the date of this permit, for each existing interconnection;
5. The permittee shall respond to drought conditions as outlined within the City of Coatesville Authority's Drought Contingency Plan. The permittee shall impose water use restrictions upon customers in accordance with and at such time as actions which are required of customers served by the City of Coatesville Authority;
6. The permittee shall adopt and implement a continuous water conservation program for all types of use within the area served by this permit. This program shall include, but is not limited to:
 - a. An ongoing program for installing meters at all existing and new customer connections;
 - b. An ongoing program for regularly testing and repairing or replacing all meters;
 - c. An ongoing leakage/loss control program;
 - d. A water conservation education program;
 - e. A program for reducing customer demand for water by requiring the installation of water-saving plumbing devices in all new accounts or promoting the adoption of water conservation ordinances by Valley Township;

The permittee's water conservation program shall comply with the water conservation policies of the Delaware River Basin Commission and the recommendations of the Department;

7. The permittee shall submit a permit compliance report to the Department of Environmental Resources' State Water Plan Division, on forms provided by the Department, annually, on or before the anniversary date of this permit, unless otherwise specified;
8. The permittee shall not supply any new or additional quantity of water to any public water supply agency until that agency shall have first obtained from the Department of Environmental Resources' State Water Plan Division a subsidiary water allocation permit for the specific withdrawal;
9. This application and permit was reviewed by the Delaware River Basin Commission in accordance with Section 3.8, Referral and Review, of the Delaware River Basin Compact, and was found not to require further approval by the Commission beyond existing Docket D-88-31CP;

10. This permit is subject to review and possible modification of said rights, conditions, or restrictions at a later date or dates, as provided in Section 7 of the Act of June 24, 1939, P.L. 842 (No. 365).

Date: 4/3/92

DEPARTMENT OF ENVIRONMENTAL RESOURCES

By: John E. McSparran
John E. McSparran, Director
Bureau of Water Resources Management

ATTEST:

William A. Gast
William A. Gast, Chief
State Water Plan Division



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE

July 15, 2013

Ms. Patrice Proctor, Chairwoman
Valley Township
890 West Lincoln Highway
P.O. Box 467
Coatesville, PA 19320

Re: Villages of Hillview Water System
Application No. 1513511
APS No. 806187, AUTH No. 967043
Valley Township
Chester County

Dear Ms. Proctor:

Referenced permit for operating the existing Hillview Interconnection with the Pennsylvania American Water Company (PAWC) is enclosed.

As a reminder, in accordance with the Department of Environmental Protection recently issuing an operations permit for the Airport Road Interconnection (Application No. 1513502), Valley Township is required to submit a subsidiary water allocation permit renewal application, under the Water Rights Act, Act of June 24, 1939, P.L. 842, 32 P.S. Sections 631-641, for all existing interconnections with the PAWC (Airport Road, Hillview, Mt. Pleasant Street, and Red Road).

Valley Township's Subsidiary Water Allocation Permit No. WA-15-917, granting the right to purchase water from the City of Coatesville Authority (water system now owned and operated by the PAWC), expired on April 3, 2007.

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.

Ms. Patrice Proctor, Chairwoman

- 2 -

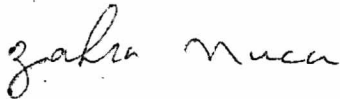
July 15, 2013

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Please study the permit carefully and direct any questions to the Safe Drinking Water program, Southeast Regional Office.

Sincerely,



Zahra Nucci, P.E.
Regional Manager
Safe Drinking Water

Enclosures: Permit

cc: Mr. Ellis, P.E. – Pennoni Associates, Inc.
Mr. Burkett, P.E. – Gilmore & Associates, Inc.
Mr. Woolston – SDW (w/enclosure)
Mr. Johnson – SDW (w/enclosure)
File
Ms. Lashley
Re (joh13sdw)191-18

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER

SAFE DRINKING WATER PERMIT

No. 1513511

<p>A. PERMITTEE: (Name and Address)</p> <p>Valley Township 890 West Lincoln Highway Coatesville, PA 19320</p>	<p>B. PROJECT/PLANT LOCATION</p> <p>Municipality <u>Valley Township</u></p> <p>County <u>Chester</u></p>						
<p>C. THIS PERMIT APPROVES FOR: 1. <input type="checkbox"/> CONSTRUCTION 2. <input checked="" type="checkbox"/> OPERATION OF FACILITIES</p> <p>AS INDICATED BELOW: Approved Under Construction Permit No. _____</p>							
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<p><input type="checkbox"/> General Corrosion Control</p> <p><input type="checkbox"/> Corrosion Control for Lead/Copper</p> <p><input type="checkbox"/> Disinfection</p> <p><input type="checkbox"/> Pump Station(s)</p> <p><input checked="" type="checkbox"/> Transmission Lines</p> <p><input type="checkbox"/> Finished Water Storage</p> <p><input checked="" type="checkbox"/> Other <u>Interconnection</u></p>							
<p>KNOWN AS <u>Hillview Interconnection with Pennsylvania American Water Company</u></p>							
<p>LIMIT OF AUTHORIZATION</p> <p>YOU ARE HEREBY AUTHORIZED TO CONSTRUCT OR OPERATE, AS INDICATED ABOVE, PROVIDED THAT FAILURE TO COMPLY WITH CHAPTER 109 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEPARTMENT) OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.</p> <p>THE PLANS, SPECIFICATION, REPORTS, AND SUPPORTING DOCUMENTS SUBMITTED AS PART OF THE PERMIT APPLICATION BECOME PART OF THE PERMIT.</p> <p>NO DEVIATIONS FROM APPROVED PLANS OR SPECIFICATIONS AFFECTING THE TREATMENT PROCESS OR QUALITY OF WATERS SHALL BE MADE WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT.</p> <p>THIS PERMIT IS ISSUED BY THE DEPARTMENT UNDER THE AUTHORITY OF THE PENNSYLVANIA SAFE DRINKING WATER ACT, THE ACT OF MAY 1, 1984 (P.L. 206, NO. 43). OPERATION SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 109 ADOPTED UNDER THE AUTHORITY IN SECTIONS 4 AND 6(e) OF THE PENNSYLVANIA SAFE DRINKING WATER ACT.</p> <p>THIS PERMIT IS SUBJECT TO THE ATTACHED SPECIAL CONDITIONS <u>I</u></p>							
<p>PERMIT ISSUED</p>	<p>DEPARTMENT OF ENVIRONMENTAL PROTECTION</p>						
<p>Date <u>JUL 12 2013</u></p>	<p>By <u>Zahra Nucci</u></p> <p>Zahra Nucci, P.E. Regional Manager Safe Drinking Water</p>						

**Safe Drinking Water Permit No. 1513511
Valley Township
Valley Township, Chester County**

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

- I. The Water Rights Act, Act of June 24, 1939, P.L. 842, 32 P.S. Sections 631-641 requires a public water supply agency to hold a valid subsidiary water allocation permit for purchase of surface waters from another public water supply agency.

Re 30 (joh13sdw)191-18b

DOCKET NO. D-88-31 CP

DELAWARE RIVER BASIN COMMISSION

Valley Township Authority
 Ground Water Withdrawal - Wells Nos. V1, V2, and V4
Valley Township, Chester County, Pennsylvania

PROCEEDINGS

This is an application referred to the Commission, pursuant to an Administrative Agreement under Sections 2-3.4 (a) and 2-3.7 of the Administrative Manual - Part II, Rules of Practice and Procedure, by the Pennsylvania Department of Environmental Resources (PADER) on April 8, 1988, for an allocation of ground water and review of a ground water withdrawal project. The project was approved by the PADER on July 7, 1988, but it is withholding its Permit No. 1588503 until the project is approved by the Delaware River Basin Commission (DRBC).

The application was reviewed for inclusion of the project in the Comprehensive Plan and approval under Section 3.8 of the Delaware River Basin Compact. The Chester County Planning Commission has been notified of pending action on this docket and has not expressed objection to approval by the DRBC. A public hearing on this project was held by the DRBC on October 26, 1988.

DESCRIPTION

Purpose.—The purpose of this project is to approve Wells Nos. V1, V2 and new Well No. V4 as sources of water supply for the applicant's distribution system to serve the Valley Springs, Country Club Valley, and Valley View subdivisions.

Location.—The Valley Township Authority's (VTA) wells are located in the Valley Springs subdivision between Mineral Springs Road and the Downingtown-Coatesville Bypass approximately 3,000' west of Rock Run in Valley Township, Chester County, Pennsylvania, as follows:

<u>Well No.</u>	<u>Latitude (N)</u>	<u>Longitude (W)</u>
V1	39° 59' 46"	75° 50' 47" <i>75°</i>
V2	39° 59' 46"	75° 50' 50" <i>75°</i>
V4	39° 59' 42"	75° 50' 55" <i>75°</i>

The wells are located in the Pre-Cambrian gabbroic gneiss formation.

Service area.—The VTA is to serve water to the Valley Springs, Country Club Valley, Valley View and other subdivisions within the designated Valley Township service area set forth on the plan (Plate II) submitted as part of this application.

Physical features.

a. Design criteria.—The water distribution system presently serves a population of 548 via 137 connections with an average and maximum water demand of 0.04 mgd and 0.044 mgd respectively. The ultimate population of the subdivisions is anticipated to be 2,000 served by 500 connections with an average and maximum demand of 0.15 mgd and 0.16 mgd.

b. Facilities.—The VTA wells have the following characteristics:

<u>Well No.</u>	<u>Depth</u>	<u>Casing Depth</u>	<u>Pump Capacity</u>	<u>Year Drilled</u>
V1 (Standby)	220'	62'	57 gpm	1987
V2 (Standby)	310'	60'	20 gpm	1987
V4	285'	37'	108 gpm	1987

All wells and all water service connections are metered.

Well water is disinfected by hypochlorination and pH adjusted by addition of soda ash.

The water system is not presently interconnected with any other distribution systems.

The project facilities are not subject to flooding.

c. Other.—Wastewater is conveyed to the VTA sewer system for treatment at the City of Coatesville sewage treatment facilities most recently approved by Docket No. D-86-63 CP on February 25, 1987.

Cost.—The overall cost of this project is estimated to be \$802,000.

Relationship to the Comprehensive Plan.—The VTA water supply facilities have not previously been included within the Comprehensive Plan.

FINDINGS

Wells Nos. V1, V2, and V4 were 48-hour pump tested during May, August, and October 1987, respectively. Each was pumped at the proposed withdrawal rate and no interference effects were noted in existing residential wells in the vicinity.

The project is designed to conform with the requirements of the Ground Water Policy of the DRBC.

Project withdrawals are used for the purpose of public water supply and the consumptive use is estimated to be 10 percent of the total water use.

The project does not conflict with nor adversely affect the Comprehensive Plan, is physically feasible, and does not adversely influence the present or future use and development of the water resources of the Basin.

DECISION

- I. The project, as described above, with modifications specified hereinafter, is hereby added to the Comprehensive Plan.
- II. The project is approved pursuant to Section 3.8 of the Compact, subject to the following conditions:
 - a. Approval is subject to all conditions imposed by the PADER.
 - b. The wells shall be available at all times for inspection by the DRBC.
 - c. The wells shall be operated at all times to comply with the requirements of the Ground Water Policy and Standards of the DRBC.
 - d. During any 30-day period, the withdrawal from the project wells shall not exceed 4.5 million gallons.
 - e. The wells shall be equipped with air lines and gages, or equivalent water level measuring device, to measure water levels under all conditions.
 - f. Each new water service connection shall include a water meter in accordance with the DRBC's Resolution No. 73-1. Water charges for each service connection shall be based in part on metered usage.
 - g. The project wells, and all existing wells and surface water intakes, shall be metered with an automatic continuous recording device that measures to within 5 percent of actual flow. A record of daily withdrawals shall be maintained, and monthly totals shall be reported to the Bureau of Water Resources Management, PADER, annually.
 - h. Sound practices of excavation, backfill, and reseedling shall be followed to minimize erosion and deposition of sediment in streams.
 - i. No new water service connections shall be made to premises connected to sewerage systems which are not in compliance with all applicable water quality standards of the Commission.
 - j. Nothing herein shall be construed to exempt the applicant from obtaining all necessary permits and/or approvals from other State, Federal or local government agencies having jurisdiction over this project.

k. Upon completion of construction of the approved project, the applicant shall submit a statement to the DRBC, signed by the applicant's engineer or other responsible agent, advising the Commission that the construction has been completed in compliance with the approved plans, giving the final construction cost of the approved project, and the date the project is placed in operation.

l. This approval shall expire three years from date below unless prior thereto the applicant has commenced operation of the subject project or has expended substantial funds (in relation to the cost of the project) in reliance upon this approval.

m. The area served by this project is limited to the service area as described above. Any expansion beyond this area is subject to review in accordance with Section 3.8 of the Compact.

n. The applicant shall develop a program to monitor all water supply facilities including storage and distribution systems for leakage. The program must be approved by the Bureau of Water Resources Management, PADER, and the monitoring results shall be submitted within six months of this approval and thereafter as requested. The applicant shall proceed expeditiously to correct leakages identified by the monitoring.

o. The applicant shall adopt and implement, to the satisfaction of the Bureau of Water Resources Management, PADER, a continuous program to encourage water conservation in all types of use within the area served by this allocation permit. The applicant will report to the Bureau of Water Resources Management, PADER, on the actions taken pursuant to this program and the impact of those actions, within six months of the date of this approval and annually thereafter.

p. The applicant shall develop, adopt, and be prepared to implement, a drought or other water supply emergency plan. Such emergency plan shall be submitted to and approved by the Bureau of Water Resources Management, PADER, within six months of this approval.

q. This approval is temporary and will be reviewed five years from the date of approval, and unless renewed, this approval shall expire.

r. The issuance of this withdrawal permit shall not create any private or proprietary rights in the water of the Basin and the Commission reserves the right to amend, alter or rescind any actions taken hereunder in order to insure the proper control, use and management of the water resources of the Basin.

s. If the construction or operation of this project significantly affects or interferes with any domestic or other existing wells, the applicant, at its own cost, shall provide an alternate supply of water or other mitigating measures.

t. For the duration of any drought emergency declared by the Commission, water service or use by the project applicant pursuant to this approval shall be subject to the prohibition of those nonessential uses specified by the Pennsylvania Emergency Management Council to the extent that they may be applicable, and to any other emergency resolutions or orders adopted hereafter.

u. The applicant shall pursue an interconnection with the Coatesville Municipal Authority system. Such interconnection shall be operational within two years from date of approval unless determined not feasible by the Executive Director of the Delaware River Basin Commission.

v. The applicant and the City of Coatesville Authority shall also pursue the issue of respective service areas and shall file a report with the Commission within six months of the date of this approval regarding resolution of respective service areas.

BY THE COMMISSION

DATED: October 26, 1988

DOCKET NO. D-88-31 CP RENEWAL**DELAWARE RIVER BASIN COMMISSION**

**Valley Township
Ground Water Withdrawal
Valley Township, Chester County, Pennsylvania**

PROCEEDINGS

This is an application submitted by Valley Township on June 29, 1998, for renewal of an allocation of ground water and review of ground water withdrawal project approved by the Delaware River Basin Commission (DRBC) under the name of Valley Township Authority on October 26, 1988. Condition "q." of the 1988 docket decision required that this project be reviewed within five years (subsequently extended to ten years) of the date of approval, and unless renewed, the approval would expire. The project wells were reviewed under the Pennsylvania Safe Drinking Water Act for a public water supply construction permit and approved by the Pennsylvania Department of Environmental Protection (PADEP) on July 7, 1988, (Permit No. 1588503), subject to approval by the Delaware River Basin Commission (DRBC).

The application was reviewed for continuation of the project in the Comprehensive Plan and approval under Section 3.8 of the Delaware River Basin Compact. The Chester County Planning Commission has been notified of pending action on this docket. A public hearing on this project was held by the DRBC on September 9, 1998.

DESCRIPTION

Purpose. - The purpose of this project is to continue to supply water to the Valley Township distribution system from existing Wells Nos. V1, V2 and V4, without an increase in the existing allocation of ground water.

Location. - The Valley Township wells are located in the Valley Springs subdivision between Mineral Springs Road and the Downingtown-Coatesville Bypass approximately 3,000 feet west of Rock Run in Valley Township, Chester County, Pennsylvania, as follows:

WELL NO.	LATITUDE (N)	LONGITUDE (W)
V1	39° 59' 46"	75° 50' 47"
V2	39° 59' 46"	75° 50' 50"
V4	39° 59' 42"	75° 50' 55"

The project wells are located in the Pre-Cambrian gabbroic gneiss.

D-88-31 CP RENEWAL (Valley Township GWWD)

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Service area. —Valley Township serves water to various subdivisions within Valley Township as indicated on the map entitled “Water System Plan, dated 1998”, and submitted as part of this application.

Physical features. –

a. **Design criteria.** –The water distribution system presently serves a population of 1,176 via 392 connections with an average and maximum water demand of 0.076 mgd and 0.139 mgd, respectively. The year 2008 population of the service area is anticipated to be 1,515 served by 505 connections with an average and maximum demand of 0.11 mgd and 0.15 mgd.

b. **Facilities.** – The Valley Township wells have the following characteristics:

WELL NO.	DEPTH	CASED DEPTH/ CASING DIAMETER	PUMP CAPACITY	YEAR DRILLED
V1	220'	62'	57 gpm	1987
V2	310'	60'	20 gpm	1987
V4	285'	37'	108 gpm	1987

All wells and water service connections are metered.

Well water is disinfected by hypochlorination and pH adjusted by addition of soda ash.

The water system is not presently interconnected with any other distribution system.

The project facilities are not subject to flooding.

c. **Other.** --Wastewater is conveyed to the Valley Township sewer system for treatment at the City of Coatesville sewage treatment facility most recently approved by DRBC Docket No. D-86-63 CP on February 25, 1987. The treatment facility has adequate capacity to receive wastewater from the proposed project.

Relationship to the Comprehensive Plan. –The project wells were previously included within the Comprehensive Plan by Docket No. D-88-31 CP.

FINDINGS

The project is designed to conform with the requirements of the Ground Water Policy of the DRBC.

The PADEP indicated concern that the applicant has experienced periodic loss of pressure and short-term loss of water over the past several summers. To address this situation, the applicant has recently replaced all three of its well pumps and expects no further pressure loss problems. PADEP has also recommended an interconnection with the City of Coatesville municipal water system. The applicant indicates that the interconnection is expected in the near future but is dependent upon funding related to the progress of privately-sponsored development still underway. The applicant will be required to periodically report the status of the pursuit of the interconnection project.

Project withdrawals are used for the purpose of public water supply and the consumptive use is estimated to be ten percent of the total water use.

The project does not conflict with nor adversely affect the Comprehensive Plan, is physically feasible, and does not adversely influence the present or future use and development of the water resources of the Basin.

DECISION

- I. The previous approvals granted under Section 3.8 of the Compact for Wells Nos. V1, V2 and V4 are hereby rescinded.
- II. The project as described above is approved pursuant to Section 3.8 of the Compact, subject to the following conditions:
 - a. Approval is subject to all conditions imposed by the PADEP.
 - b. The wells shall be available at all times for inspection by the DRBC.
 - c. The wells shall be operated at all times to comply with the requirements of the ground water policies and standards of the DRBC.
 - d. During any 30-day period, the withdrawal from the project wells shall not exceed 4.5 million gallons, and the withdrawal from all wells shall not exceed 4.5 million gallons.

D-88-31 CP RENEWAL (Valley Township GWWD)

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e. The wells shall be equipped with readily accessible capped ports and drop pipes so that water levels may be measured under all conditions, as repairs or modifications are made at each existing well.

f. The project wells, and all existing wells and surface water intakes, shall be metered with an automatic continuous recording device that measures to within 5 percent of actual flow. A record of daily withdrawals shall be maintained, and monthly totals shall be reported to the Bureau of Watershed Conservation, PADEP annually.

g. Each new water service connection shall include a water meter in accordance with the DRBC's Resolution No. 73-1. (All existing unmetered water service connections shall include a water meter by September 28, 1998, in accordance with DRBC's Resolution No. 87-7 (Revised)). Water charges for each service connection shall be based in part on metered usage.

h. In accordance with DRBC Resolution No. 87-6 (Revised), the applicant shall continue to implement to the satisfaction of the Bureau of Watershed Conservation, PADEP, the systematic program to monitor and control leakage within the water supply system. The program shall at a minimum include: periodic surveys to monitor leakage, enumerate unaccounted-for water, and determine the current status of system infrastructure; recommendations to monitor and control leakage; and a schedule for the implementation of such recommendations. The applicant shall proceed expeditiously to correct leakages and unnecessary usage identified by the program.

i. The applicant shall implement to the satisfaction of the Bureau of Watershed Conservation, PADEP, the continuous program to encourage water conservation in all types of use within the facilities served by this allocation permit. The applicant will report to the Bureau of Watershed Conservation, PADEP on the actions taken pursuant to this program and the impact of those actions as requested by that agency.

j. No water service connections shall be made to newly constructed premises with plumbing fixtures and fittings that do not comply with water conservation performance standards contained in Resolution No. 88-2 (Revision 2).

k. Sound practices of excavation, backfill, and reseedling shall be followed to minimize erosion and deposition of sediment in streams.

l. No new water service connections shall be made to premises connected to sewerage systems which are not in compliance with all applicable water quality standards of the Commission.

m. Nothing herein shall be construed to exempt the applicant from obtaining all necessary permits and/or approvals from other State, Federal or local government agencies having jurisdiction over this project.

D-88-31 CP RENEWAL (Valley Township GWWD)

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n. The area served by this project is limited to the service area as described above. Any expansion beyond this area is subject to review in accordance with Section 3.8 of the Compact.

o. This approval will be reviewed within ten years of the date of approval, and unless renewed, this approval shall expire ten years from the date of approval.

p. The issuance of this withdrawal permit shall not create any private or proprietary rights in the water of the Basin and the Commission reserves the rights to amend, alter, or rescind any actions taken hereunder in order to insure the proper control, use, and management of the water resources of the Basin.

q. If the operation of this project significantly affects or interferes with any domestic or other existing wells, the Executive Director may modify or suspend this approval, or require mitigating measures, pending additional review.

r. For the duration of any drought emergency declared by the Commission, water service or use by the project applicant pursuant to this approval shall be subject to the prohibition of those nonessential uses specified by the Bureau of Watershed Conservation, PADEP to the extent that they may be applicable, and to any other emergency resolutions or orders adopted hereafter.

s. In accordance with the DRBC *Water Code* for Regionalization (Section 2.40) and at the recommendation of PADEP, the applicant is currently pursuing an interconnection with the City of Coatesville Authority. The applicant shall continue to pursue the interconnection, unless determined not feasible by the Executive Director of the DRBC, and report the project's status upon request by PADEP or DRBC.

BY THE COMMISSION

DATED: September 9, 1998

DELAWARE RIVER BASIN COMMISSION
P.O. BOX 7360
WEST TRENTON, NEW JERSEY 08628-0360

Project Review

NOTICE OF COMMISSION ACTION

Date: May 19, 2008

Docket No. D-88-31 CP-3

Project Sponsor: Valley Township
Attention: Patrice Proctor, Chairwoman, Board of Supervisors
890 West Lincoln Highway
P.O. Box 467
Coatesville, Pennsylvania 19320

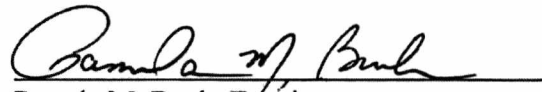
Project Description: Ground Water Withdrawal

Action by Commission:

Incorporated in the Commission's *Comprehensive Plan* for the Delaware River Basin and approved pursuant to Section 3.8 of the *Delaware River Basin Compact*. See attached docket for terms and conditions.

Explanatory Note:

This action has been taken by the Commission in accordance with its responsibilities under Sections 3.8, 11.1 and 11.2 of the *Delaware River Basin Compact*. The Commission maintains a comprehensive water resources plan for the Delaware River Basin and reviews water resources projects proposed by other public and private agencies. Review of projects enables the Commission to prevent conflicts among water users and to protect the integrity of the *Comprehensive Plan*.


Pamela M. Bush, Esquire
Commission Secretary

Enclosure

c: Edward F. Rasiul, P.E., Pennoni Associates, Inc.
Nancy Roncetti, PADEP, Southeast Regional Office

DOCKET NO. D-88-31 CP-3

DELAWARE RIVER BASIN COMMISSION

**Valley Township
Ground Water Withdrawal
Valley Township, Chester County, Pennsylvania**

PROCEEDINGS

This docket is issued in response to an Application submitted by Valley Township to the Delaware River Basin Commission (DRBC or Commission) for renewal of an allocation of ground water and review of a ground water withdrawal project on November 19, 2007 (Application). The project was previously approved by the Pennsylvania Department of Environmental Protection (PADEP) on July 7, 1988, (Permit No. 1588503), subject to approval by the DRBC.

The Application was reviewed for continuation of the project in the Comprehensive Plan and approval under Section 3.8 of the *Delaware River Basin Compact*. The Chester County Planning Commission has been notified of the application for this docket. A public hearing on this project was held by the DRBC on May 14, 2008.

A. DESCRIPTION

1. **Purpose.** The purpose of this project is to continue to supply up to 4.5 million gallons per 30 days (mg /30 day) of water to the Valley Township public supply distribution system from existing Wells Nos. V1, V2 and V4, without an increase in the existing allocation of ground water.
2. **Location.** The project wells are located in the Brandywine-Christina Watershed in the Pre-Cambrian gabbroic gneiss. Specific location information has been withheld for security reasons.
3. **Area Served.** Valley Township serves water to various subdivisions within Valley Township as indicated on the map entitled "Valley Township Act 537 Plan" and submitted as part of this renewal application. For the purpose of defining Area Served, the Application is incorporated herein by reference consistent with conditions contained in the DECISION section of this docket.

D-88-31 CP-3 (Valley Township - Ground Water Withdrawal)

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4. Physical features.

a. Design criteria. The Valley Township water distribution system presently serves a population of 1,564 with an average and maximum water demand of 2.43 mg/30 days and 3.03 mg/30 days, respectively from Wells Nos. V1, V2, and V4. The docket holder projects a ten year future average and maximum water demand of 4.5 mg/30 days and 5.64 mg/ 30 days, respectively.

b. Facilities. The existing project wells have the following characteristics:

WELL NO.	DEPTH	CASED DEPTH/ CASING DIAMETER	PUMP CAPACITY	YEAR DRILLED
V1	220'	62'/8"	57 GPM	1987
V2	310'	60'/8"	20 GPM	1987
V4	285'	37'/8"	108 GPM	1987

All water service connections are metered.

All wells are metered.

Prior to entering the distribution system, the water will be treated with hypochlorination and pH adjusted by addition of soda ash.

The project wells are above the 100-year flood elevation.

The water system is presently interconnected with Pennsylvania American Water Company.

c. Other. Wastewater is conveyed to the Pennsylvania American Water Company Coatesville Wastewater Treatment Plant most recently approved by DRBC Docket No. D-92-64 CP-2 on February 28, 2007. The PADEP issued its most recent NPDES Permit No. PA0026859 on September 14, 2006 for this treatment facility. The treatment facility has adequate capacity to receive wastewater from the proposed project.

d. Relationship to the Comprehensive Plan. The project wells were previously included within the Comprehensive Plan by Docket Nos. D-88-31 CP and D-88-31 CP RENEWAL, on September 9, 1998.

D-88-31 CP-3 (Valley Township - Ground Water Withdrawal)

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B. FINDINGS

The project is designed to conform to the requirements of the *Water Code* and *Water Quality Regulations* of the DRBC.

The DRBC estimates that the project withdrawals, used for the purpose of public water supply, result in a consumptive use of ten percent of the total water use. The DRBC definition of consumptive use is defined in Article 5.5.1.D of the *Administrative Manual – Part III – Basin Regulations – Water Supply Charges*.

The project does not conflict with the Comprehensive Plan and is designed to prevent substantial adverse impact on the water resources related environment, while sustaining the current and future water uses and development of the water resources of the Basin.

There have been no reports of interference since the approval of this project. No adverse impact is anticipated with the continued operation of this project.

C. DECISION

I. Effective on the approval date for Docket No. D-88-31 CP-3 below:

a. The projects described in Dockets Nos. D-88-31 CP and D-88-31 CP Renewal are removed from the Comprehensive Plan to the extent that they are not included in Docket No. D-88-31 CP-3.

b. Dockets Nos. D-88-31 CP and D-88-31CP RENEWAL are terminated and replaced by Docket No. D-88-31 CP-3.

c. The project and the appurtenant facilities described in the Section A “Physical features” shall be added to the Comprehensive Plan.

II. The project and appurtenant facilities as described in the Section A “Physical features” are approved pursuant to Section 3.8 of the *Compact*, subject to the following conditions:

a. Docket approval is subject to all conditions, requirements, and limitations imposed by the PADEP, and such conditions, requirements, and limitations are incorporated herein, unless they are less stringent than the Commission’s. The docket holder shall register with the PADEP all surface and ground water sources described in this docket in accordance with the Pennsylvania Water Resources Planning Act (Pennsylvania Act 220).

D-88-31 CP-3 (Valley Township - Ground Water Withdrawal)

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b. The wells and operational records shall be available at all times for inspection by the DRBC.

c. The wells shall be operated at all times to comply with the requirements of the *Water Code* and *Water Quality Regulations* of the DRBC.

d. During any 30-day period, the withdrawal from wells V1, V2, and V4 shall not exceed 1.0, 0.5 and 3.0 mg/ 30 days, respectively. The withdrawal from all wells shall not exceed 4.5 million gallons.

e. The wells shall be equipped with readily accessible ports and drop pipes as repairs or modifications are made at each existing well.

f. The project withdrawals shall be metered with an automatic continuous recording device that measures to within 5 percent of actual flow. An exception to the 5 percent performance standard, but no greater than 10 percent, may be granted if maintenance of the 5 percent performance is not technically feasible or economically practicable. A record of daily withdrawals shall be maintained, and monthly totals shall be reported to the PADEP annually and shall be available at any time to the Commission if requested by the Executive Director.

g. Each new water service connection shall include a water meter in accordance with the DRBC's Resolution No. 87-7 (Revised).

h. In accordance with DRBC Resolution No. 87-6 (Revised), the docket holder shall continue to implement to the satisfaction of the PADEP, the systematic program to monitor and control leakage within the water supply system. The program shall at a minimum include: periodic surveys to monitor leakage, enumerate unaccounted-for water, and determine the current status of system infrastructure; recommendations to monitor and control leakage; and a schedule for the implementation of such recommendations. The docket holder shall proceed expeditiously to correct leakages and unnecessary usage identified by the program.

i. The docket holder shall implement to the satisfaction of the PADEP, the continuous program to encourage water conservation in all types of use within the facilities served by this approval. The docket holder will report to the PADEP on the actions taken pursuant to this program and the impact of those actions as requested by the PADEP.

j. No water service connections shall be made to newly constructed premises with plumbing fixtures and fittings that do not comply with water conservation performance standards contained in Resolution No. 88-2 (Revision 2).

k. The docket holder shall implement to the satisfaction of the PADEP, a drought or other water supply emergency plan.

D-88-31 CP-3 (Valley Township - Ground Water Withdrawal)

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l. No new water service connections shall be made to premises connected to sewerage systems which are not in compliance with all applicable effluent limits contained in State permits and the *Water Quality Regulations* of the Commission.

m. Nothing herein shall be construed to exempt the docket holder from obtaining all necessary permits and/or approvals from other State, Federal or local government agencies having jurisdiction over this project.

n. The docket holder is permitted to provide the water approved in this docket to the areas included in Section A.3. Area Served of this docket. Any expansion beyond those included in Section A.3. Area Served is subject to DRBC review and approval in accordance with Section 3.8 of the *Compact*.

o. A complete application for the renewal of this docket, or a notice of intent to cease the operations (withdrawal, discharge, etc.) approved by this docket by the expiration date, must be submitted to the DRBC at least 12 months prior to the expiration date below (unless permission has been granted by the DRBC for submission at a later date), using the appropriate DRBC application form. In the event that a timely and complete application for renewal has been submitted and the DRBC is unable, through no fault of the docket holder, to reissue the docket before the expiration date below, the terms and conditions of this docket will remain fully effective and enforceable against the docket holder pending the grant or denial of the application for docket approval.

p. The issuance of this docket approval shall not create any private or proprietary rights in the water of the Basin, and the Commission reserves the rights to amend, alter or rescind any actions taken hereunder in order to insure the proper control, use and management of the water resources of the Basin.

q. If the operation of this project significantly affects or interferes with any domestic or other existing wells or surface water supplies, or if the docket holder receives a complaint by any user of wells or surface water supplies within the zone of influence of the withdrawal, the docket holder shall immediately notify the Executive Director of any complaints by users of wells or surface water supplies within the zone of influence of the withdrawal, and unless excused by the Executive Director, shall investigate such complaints. The docket holder should direct phone call notifications of potential well or surface water interference or complaints of interference to the DRBC Project Review Section at 609-883-9500, extension 216. Oral notification must always be followed up in writing directed to the Executive Director. In addition, the docket holder shall provide written notification to all potentially impacted users of wells or surface water supplies of the docket holder's responsibilities under this condition. Any well or surface water supply which is substantially adversely affected, or rendered dry or otherwise unusable as a result of the docket holder's project withdrawal, shall be repaired, replaced or otherwise mitigated at the expense of the docket holder. A report of investigation and/or mitigation plan prepared by a hydrologist shall be submitted to the Executive Director as soon as practicable. The Executive Director shall make the final determination regarding the

D-88-31 CP-3 (Valley Township - Ground Water Withdrawal)

validity of such complaints, the scope or sufficiency of such investigations, and the extent of appropriate mitigation measures, if required. The Executive Director may modify or suspend this approval or any condition thereof, or require mitigating measures pending additional review, if in the Executive Director's judgment such modification or suspension is required to protect the water resources of the Basin.

r. For the duration of any drought emergency declared by either Pennsylvania or the Commission, water service or use by the docket holder pursuant to this approval shall be subject to the prohibition of those nonessential uses specified by the Governor of Pennsylvania, the Pennsylvania Emergency Management Council, PADEP, or the Commonwealth Drought Coordinator to the extent that they may be applicable, and to any other emergency resolutions or orders adopted hereafter by the Commission

s. The docket holder and any other person aggrieved by a reviewable action or decision taken by the Executive Director or Commission pursuant to this docket may seek an administrative hearing pursuant to Articles 5 and 6 of the Commission's *Rules of Practice and Procedure*, and after exhausting all administrative remedies may seek judicial review pursuant to Article 6, section 2.6.10 of the *Rules of Practice and Procedure* and section 15.1(p) of the Commission's *Compact*.

BY THE COMMISSION

APPROVAL DATE: May 14, 2008

EXPIRATION DATE: May 14, 2018

RECEIVED

MAY 27 2008

PLANNING AND ENVIRONMENTAL SERVICES

Delaware River Basin Commission

25 Cosey Road | P.O. Box 7360
West Trenton | New Jersey | 08628-0360
www.drbc.gov

Project Review

NOTICE OF COMMISSION ACTION

Date: September 13, 2018

Docket No. D-1988-031 CP-4

Project Sponsor: Valley Township
Attention: Janis Rambo
890 West Lincoln Highway
P.O. Box 467
Coatesville, Pennsylvania 19320-0467

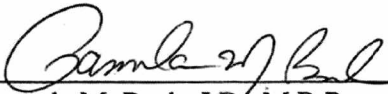
Project Description: Valley Township
Groundwater Withdrawal
Valley Township, Chester County, Pennsylvania

Action by Commission:

This action is incorporated in the Commission's *Comprehensive Plan* for the Delaware River Basin and approved pursuant to Section 3.8 of the *Delaware River Basin Compact*. See docket for terms and conditions.

Explanatory Note:

This action has been taken by the Commission in accordance with its responsibilities under Sections 3.8, 11.1 and 11.2 of the *Delaware River Basin Compact*. The Commission maintains a comprehensive water resources plan for the Delaware River Basin and reviews water resources projects proposed by other public and private agencies. Review of projects enables the Commission to prevent conflicts among water users and to protect the integrity of the *Comprehensive Plan*.



Pamela M. Bush, J.D., M.R.P.
Commission Secretary/Assistant General Counsel

DOCKET NO. D-1988-031 CP-4**DELAWARE RIVER BASIN COMMISSION**

**Valley Township
Groundwater Withdrawal
Valley Township, Chester County, Pennsylvania**

PROCEEDINGS

This docket is issued in response to an Application submitted by Pennoni and Associates, Inc. on behalf of Valley Township to the Delaware River Basin Commission (DRBC or Commission) on May 3, 2018 (Application), for a renewal and approval of an existing allocation of groundwater and review of a groundwater withdrawal project. The project wells were reviewed under the Pennsylvania Safe Drinking Water Act for public water supply permits and approved by the Pennsylvania Department of Environmental Protection (PADEP) as follows:

WELL NO.	PADEP PERMIT NO.	PADEP APPROVAL DATE
V1 and V2	1587508	January 21, 1989
V4	1588503	April 3, 1989

The Application was reviewed for continued inclusion in the Comprehensive Plan and for approval under Section 3.8 of the *Delaware River Basin Compact*. The Chester County Planning Commission has been notified of pending action on this docket. A public hearing on this project was held by the DRBC on August 15, 2018.

A. DESCRIPTION

1. **Purpose.** The purpose of this project is to renew the approval of an existing withdrawal of groundwater for the docket holder's distribution system of up to 4.5 million gallons per month (mgm) from an existing Wells V1, V2 and V4. Valley Township is not requesting an increase in groundwater withdrawal allocation.
2. **Location.** The project wells are located in the Brandywine Creek – Christina River Watershed in Valley Township, Chester County, Pennsylvania. The Brandywine Creek – Christina River near the project site is designated by the PADEP as Warm Water Fishes (WWF) and Migratory Fishes (MF). The project wells are completed in Pre-Cambrian gabbroic gneiss.
Specific location information has been withheld for security reasons.
3. **Area Served.** The docket holder's distribution system serves various subdivisions within Valley Township. The service area is outlined on a map entitled "Valley Township Water System" submitted with the Application. For the purpose of defining Area Served, the

D-1988-031 CP-4 (Valley Township_GWD)

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Application is incorporated herein by reference consistent with conditions contained in the DECISION section of this docket.

4. **Physical features.**

a. **Design criteria.** The Valley Township system supplies potable water to an estimated population of 2,134 via 808 connections. The average and maximum groundwater demand for this project are 0.97 million gallons per day (mgd) and 0.121 mgd, respectively. The docket holder projects an average and maximum water demand of 0.104 mgd and 0.145 mgd, respectively, by the year 2028. Valley Township is not requesting an increase in groundwater withdrawal allocation. The allocation of 4.5 mgm should be sufficient to meet the future demands of the Valley Township system.

b. **Facilities.** The existing project wells have the following characteristics:

WELL NO.	DEPTH (FEET)	CASED DEPTH/ CASING DIAMETER	PUMP CAPACITY (GPM)	YEAR DRILLED
V1	220	62' / 8"	57	1987
V2	310	60' / 8"	20	1987
V4	285	37' / 8"	108	1987

All wells and water service connections are metered.

Prior to entering the distribution system, the water will be treated with sodium hypochlorite for disinfection and pH adjusted by addition of sodium hydroxide.

The project wellheads are above the 100-year flood elevation.

The water system is presently interconnected with Pennsylvania American Water Company.

c. **Other.** Wastewater is conveyed to the Pennsylvania American Water Company Coatesville Wastewater Treatment Plant most recently approved by DRBC Docket No. D-1992-064 CP-3 on July 11, 2012. There is currently a renewal application in for this facility and it is currently pending approval. The PADEP issued its most recent NPDES Permit No. PA0026859 on October 2, 2013 for this treatment facility. The treatment facility has adequate capacity to receive wastewater from the proposed project.

d. **Cost.** There is no associated construction cost with this project.

e. **Relationship to the Comprehensive Plan.** The project was previously included in the Comprehensive Plan by the Commission in Docket Nos. D-1988-031 CP, D-1988-031 CP Renewal and D-1988-031 CP-3, approved on October 26, 1988, September 9, 1998 and May 14, 2008, respectively. Issuance of this docket will continue the withdrawal project in the Comprehensive Plan.

B. FINDINGS

Water Audits for Public Water Supply Systems Serving Greater than 100,000 gpd

Section 2.1.8 of the *Water Code* states that it is the policy of the Commission to establish a standardized water audit methodology for owners of water supply systems serving the public to ensure accountability in the management of water resources. Voluntary Water Audits were encouraged for public water supply systems through December 31, 2011 (Section 2.1.8.B.). Effective January 1, 2012, the owners of each public water supply system are required to implement an annual calendar year water audit program conforming to IWA/AWWA Water Audit Methodology (AWWA Water Loss Control Committee (WLCC) Water Audit Software) and corresponding AWWA guidance (Section 2.1.8.C). Water audits shall be submitted annually to the Commission by March 31. Valley Township submitted their most recent Water Audit on May 14, 2018.

The project is designed to conform to the requirements of the *Water Code* and *Water Quality Regulations* of the DRBC.

The DRBC estimates that the project withdrawals, used for the purpose of public water supply, result in a consumptive use of 10 percent of the total water use. The DRBC definition of consumptive use is defined in Article 5.5.1.D of the *Administrative Manual – Part III – Basin Regulations – Water Supply Charges*.

The project does not conflict with the Comprehensive Plan and is designed to prevent substantial adverse impact on the water resources related environment, while sustaining the current and future water uses and development of the water resources of the Basin.

C. DECISION

- I. Effective on the approval date for Docket No. D-1988-031 CP-4 below:
 - a. The projects described in Docket No. D-1988-031 CP-3 is removed from the Comprehensive Plan to the extent that they are not included in Docket No. D-1988-031 CP-4; and
 - b. Docket No. D-1988-031 CP-3 is terminated and replaced by Docket No. D-1988-031 CP-4.
 - c. The project and the appurtenant facilities described in the Section A “Physical features” shall be added to the Comprehensive Plan.
- II. The project and appurtenant facilities as described in the Section A “Physical features” are approved pursuant to Section 3.8 of the *Compact*, subject to the following conditions:

D-1988-031 CP-4 (Valley Township_GWD)

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a. The wells and operational records shall be available at all times for inspection by the DRBC.

b. The wells shall be operated at all times to comply with the requirements of the *Water Code* and *Water Quality Regulations* of the DRBC.

c. During any month, the combined withdrawal from all well sources shall not exceed 4.5 million gallons. No well shall be pumped above the maximum instantaneous rate and monthly allocation as indicated below:

WELL NO.	MAXIMUM INSTANTANEOUS RATE (GPM)	MONTHLY ALLOCATION (MGM)
V1	57	1.0
V2	20	0.5
V4	108	3.0

d. The wells shall be equipped with readily accessible capped ports and minimum ½ inch inner diameter (ID) drop pipes so that water levels may be measured under all conditions. Existing wells are to be similarly equipped, where possible, with readily accessible ports and ½ inch ID drop pipes as repairs or modifications are made at each existing well.

e. The project withdrawals shall be metered with an automatic continuous recording device that measures to within 5 percent of actual flow. An exception to the 5 percent performance standard, but no greater than 10 percent, may be granted if maintenance of the 5 percent performance is not technically feasible or economically practicable. A record of daily withdrawals shall be maintained, and monthly totals shall be reported to the PADEP annually and shall be available at any time to the Commission if requested by the Executive Director.

f. Each new water service connection shall include a water meter in accordance with the DRBC's Resolution No. 87-7 (Revised).

g. In accordance with DRBC Resolutions No. 87-6 (Revised) and No. 2009-1, the docket holder shall continue to implement to the satisfaction of the PADEP, the systematic program to monitor and control leakage within the water supply system. The program shall at a minimum include: periodic surveys to monitor leakage, enumerate non-revenue water and determine the current status of system infrastructure; recommendations to monitor and control leakage; and a schedule for the implementation of such recommendations. The docket holder shall proceed expeditiously to correct leakages and unnecessary usage identified by the program.

h. In accordance with DRBC Resolution No. 2009-1 and Section 2.1.8 of the *Water Code*, the docket holder shall implement an annual calendar year water audit program conforming to IWA/AWWA Water Audit Methodology (AWWA Water Loss Control

Committee (WLCC) Water Audit Software) and corresponding guidance. Water audits shall be submitted annually to the Commission by March 31.

i. The docket holder shall implement to the satisfaction of the PADEP, the continuous program to encourage water conservation in all types of use within the facilities served by this docket approval. The docket holder will report to the PADEP on the actions taken pursuant to this program and the impact of those actions as requested by the PADEP.

j. No water service connections shall be made to newly constructed premises with plumbing fixtures and fittings that do not comply with water conservation performance standards contained in Resolution No. 88-2 (Revision 2).

k. The docket holder shall implement its Water Conservation Plan as approved by PADEP, and shall report to the PADEP on actions taken pursuant to this program and the impact of those actions as requested by the PADEP.

l. The docket holder shall implement to the satisfaction of the PADEP, a drought or other water supply emergency plan.

m. No new water service connections shall be made to premises connected to sewerage systems which are not in compliance with all applicable effluent limits contained in State permits and the *Water Quality Regulations* of the Commission.

n. Nothing herein shall be construed to exempt the docket holder from obtaining all necessary permits and/or approvals from other State, Federal or local government agencies having jurisdiction over this project.

o. The docket holder is permitted to provide the water approved in this docket to the areas included in Section A.3. Area Served of this docket. Any expansion beyond those included in Section A.3. Area Served is subject to DRBC review and approval in accordance with Section 3.8 of the *Compact*.

p. The docket holder is responsible for timely submittal to the DRBC of a docket renewal application on the appropriate application form including the appropriate docket application filing fee (see 18 CFR 401.43) at least 6 months in advance of the docket expiration date set forth below. The docket holder will be subject to late filed renewal surcharges in the event of untimely submittal of its renewal application, whether or not DRBC issues a reminder notice in advance of the deadline or the docket holder receives such notice. In the event that a timely and complete application for renewal has been submitted and the DRBC is unable, through no fault of the docket holder, to reissue the docket before the expiration date below, the terms and conditions of the current docket will remain fully effective and enforceable against the docket holder pending the grant or denial of the application for docket approval.

q. The docket holder shall be subject to applicable DRBC regulatory program fees, in accordance with duly adopted DRBC resolutions and/or regulations. (see 18 CFR 401.43).

r. The ownership of this approval is transferable by request to the DRBC Executive Director provided that the project purpose and area served approved by the Commission in this docket will not be materially altered because of the change in project ownership. The request shall be submitted on the appropriate form and be accompanied by the appropriate fee (see 18 CFR 401.43).

s. The docket holder shall request a name change of the entity to which this approval is issued if the name of the entity to which this approval is issued changes its name. The request for name change shall be submitted on the appropriate form and be accompanied by the appropriate fee (see 18 CFR 401.43).

t. The issuance of this docket approval shall not create any private or proprietary rights in the water of the Basin, and the Commission reserves the rights to amend, alter or rescind any actions taken hereunder in order to insure the proper control, use and management of the water resources of the Basin.

u. If the monitoring required herein or any other relevant data or information demonstrates that the operation of this project is interfering with or otherwise impairing existing uses of ground or surface water, or if the docket holder receives a complaint from an existing ground or surface water user within the zone of influence of the withdrawal alleging such interference or impairment, the docket holder shall immediately notify the Executive Director, and unless excused by the Executive Director, shall investigate the demonstrated or alleged impacts. For purposes of this condition, notification shall mean either (a) electronic transmittal of written notice to the Executive Director via email (using addresses posted on the DRBC website); or (b) written notice to the Executive Director and a telephone call to the Project Review Section at 609-883-9500, ext. 216. (Oral notification must always be accompanied by immediate written notification directed to the Executive Director.) In addition, the docket holder shall provide written notice to all potentially affected water users of the docket holder's responsibilities under this condition. **Any well or surface water supply that is impaired as a result of the docket holder's project withdrawal shall be repaired, replaced or mitigated at the docket holder's expense.** The scope of the options to consider for repair, replacement and/or mitigation shall not be limited solely to those that are owned, operated, or controlled by the project sponsor. An investigation report and/or mitigation plan prepared and certified by a licensed professional engineer and/or a licensed professional geologist shall be submitted to the Executive Director as soon as practicable following notice of the demonstrated or alleged impairment consistent with this paragraph. The Executive Director shall make the final determination regarding the scope and sufficiency of the investigation and the extent of any mitigation measures that may be required. Where ground and surface waters are rendered unavailable, unusable, or unsuitable for the pre-existing use, the Executive Director may direct the docket holder to take interim actions to mitigate such impacts, pending completion of the investigative report and any long-term repair, replacement or mitigation.

v. The Executive Director may modify or suspend this approval or any condition thereof, or require mitigating measures pending additional review, if in the Executive Director's judgment such modification or suspension is required to protect the water resources of the Basin.

D-1988-031 CP-4 (Valley Township_GWD)

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w. Any person who objects to a docket decision by the Commission may request a hearing in accordance with Article 6 of the *Rules of Practice and Procedure*. In accordance with Section 15.1(p) of the *Delaware River Basin Compact*, cases and controversies arising under the *Compact* are reviewable in the United States district courts.

BY THE COMMISSION

APPROVAL DATE: September 13, 2018

EXPIRATION DATE: September 13, 2028

7. OPERATING EXPENSES

Statement of Revenues & Expenditures
Valley Township
For Period Ending 12/31/2019
WATER FUND

Appendix A-15-a

ACCOUNT DESCRIPTION	CURRENT YEAR BUDGET	YEAR-TO-DATE ACTUAL	PRIOR YEAR BUDGET	YEAR-TO-DATE ACTUAL
06.332.1000 RESTITUTION		25,206.17		
06.341.0000 Interest Earnings	1,300.00	2,135.80	1,100.00	2,050.52
06.378.1100 Metered Sales - Residential Customers	655,000.00	679,044.06	650,000.00	707,238.41
06.378.1110 Metered Sales - Penalties	25,000.00	19,067.61		
06.378.1300 WATER METERS			160.00	345.00
06.378.2200 WATER TAP-INS				882.66
06.378.9010 Meter Inspection & Installation	120.00	90.00		
06.378.9030 Water Meters	160.00	208.00		
06.380.0000 Miscellaneous Revenue			100.00	163.32
06.389.0000 Miscellaneous Revenue	100.00	140.00		
06.391.2000 INSURANCE COMPENSATION FOR LOSS				16,680.00
Totals for : 06 (- 06)	681,680.00	725,891.64	651,360.00	727,359.91
Total Revenues	681,680.00	725,891.64	651,360.00	727,359.91
06.427.4600 Maintenance & Repairs				600.00
06.427.4700 Supplies & Equipment			50,000.00	33,756.69
06.448.1120 Salary - Administrative	40,045.00	41,444.67		
06.448.1400 Salary - Public Works	22,000.00	19,474.49		
06.448.1800 Salary - Overtime	11,900.00	12,920.26		
06.448.2100 OFFICE SUPPLIES		63.65	2,900.00	3,408.24
06.448.2120 Forms	400.00	402.97		
06.448.2150 Postage	2,220.00	2,469.04		
06.448.2200 BANK CHARGES			45.00	
06.448.2210 Chemicals	10,000.00	17,888.32		

Statement of Revenues & Expenditures
Valley Township
For Period Ending 12/31/2019
WATER FUND

Appendix A-15-a

ACCOUNT DESCRIPTION	CURRENT YEAR BUDGET	YEAR-TO-DATE ACTUAL	PRIOR YEAR BUDGET	YEAR-TO-DATE ACTUAL
06.448.2300 TELEPHONE			1,200.00	1,243.25
06.448.2600 Minor Equipment	10,500.00	22,660.62		
06.448.3000 METER READING			16,961.00	16,960.92
06.448.3100 Meter Reading	16,961.00	16,960.92		
06.448.3109 ENGINEERING			45,000.00	45,690.75
06.448.3110 Audit Services	3,500.00	5,735.67		
06.448.3130 Engineering	50,000.00	40,608.50		
06.448.3140 LEGAL FEES		138.75		
06.448.3210 Telephone	1,200.00	1,653.42		
06.448.3300 AUDIT			3,400.00	23,245.82
06.448.3400 WATER RENT			370,000.00	370,987.29
06.448.3420 Printing	2,700.00	1,329.00		
06.448.3610 Electric	15,000.00	13,320.43		
06.448.3720 Maint & Repair Contracted Service	55,000.00	44,627.36		
06.448.3800 Water Rent	370,000.00	365,912.49		
06.448.3809 FACILITY & OFFICE EXPENSE			18,435.00	18,435.00
06.448.3810 SECRETARY SALARIES			61,062.00	39,024.75
06.448.3820 BENEFIT ALLOCATION			34,610.00	37,782.23
06.448.3900 Bank Charges	45.00			
06.448.4500 Annual Radio Support Contract	6,700.00	5,580.00		
06.448.4509 ELECTRICITY			19,000.00	13,520.76
06.448.4600 MAINTENANCE & REPAIRS			55,000.00	44,875.89
06.448.4610 ROAD CREW SALARIES			38,472.00	34,189.46
06.448.4800				

Statement of Revenues & Expenditures
Valley Township
For Period Ending 12/31/2019
WATER FUND

Appendix A-15-a

ACCOUNT DESCRIPTION	CURRENT YEAR BUDGET	YEAR-TO-DATE ACTUAL	PRIOR YEAR BUDGET	YEAR-TO-DATE ACTUAL
Annual State Licensing	230.00	6,654.67		
06.448.7200				
Capital Purchase - Minor Equipment	22,650.00			
06.491.0100				
REFUNDS		1,914.60		
06.492.0100				
DUE TO GENERAL FUND	48,240.00	48,240.00		
Totals for :				
06 (- 06)	689,291.00	669,999.83	716,085.00	683,721.05
Total Expenditures	689,291.00	669,999.83	716,085.00	683,721.05
Excess of Revenues over Expenditures for Report	-7,611.00	55,891.81	-64,725.00	43,638.86

8. FUTURE CAPITAL PROJECTS

There are no scheduled capital improvement projects at this time. Below is a list of future potential projects that have not been formalized the Township.

- Inspection of Water Tank
- Water Tank Repairs
- Mineral Springs Generator Replacement
- Electrical Phase Protection at the Water Treatment Plant
- Update SCADA System to include Water Plant Meters
- Install Meter in Franklin Street PRV

9. LIST OF ASSETS AND COSTS

MASTER ASSET LIST - WATER

Appendix A-15-a

LOCATION	ASSET	CODE	YEAR	QUANTITY	UNIT	ORIGINAL COST
Beacon Hill						
	6" DIP	331.4	1994	922	LF	\$ 19,260.61
	8" DIP	331.4	1994	6,594	LF	\$ 199,000.34
	Hydrants	335.4	1994	7	EA	\$ 18,530.58
	6" Gate Valve	331.4	1994	9	EA	\$ 8,291.64
	8" Gate Valve	331.4	1994	20	EA	\$ 16,419.20
	Blow off Valve	331.4	1994	3	EA	\$ 1,900.86
	3/4" Copper Service with Curb Stop and Valve	333.4	1994	128	EA	\$ 27,410.68
Country Club Valley						
	6" DIP	331.4	1990	2,660	LF	\$ 58,178.44
	8" DIP	331.4	1990	8,290	LF	\$ 169,977.25
	10" DIP	331.4	1990	1,898	LF	\$ 79,235.35
	6" Gate Valve	331.4	1990	22	EA	\$ 17,456.39
	8" Gate Valve	331.4	1990	12	EA	\$ 12,355.89
	10" Gate Valve	331.4	1990	4	EA	\$ 7,401.33
	Blow Off Valve	331.4	1990	2	EA	\$ 2,746.58
	Hydrants	335.4	1990	13	EA	\$ 22,847.45
	3/4" Copper Service with Curb Stop and Valve	333.4	1990	139	EA	\$ 68,614.68
	1" Service with Curb Stop and Valve	333.4	1990	29	EA	\$ 16,434.24
Country Ridge						
	10" DIP	331.4	1990	4,630	LF	\$ 161,303.39
	8" DIP	331.4	1990	3,772	LF	\$ 75,113.63
	6" DIP	331.4	1990	60	LF	\$ 931.79
	6" Gate Valve	331.4	1990	6	EA	\$ 3,404.62
	8" Gate Valve	331.4	1990	8	EA	\$ 5,973.03
	10" Valve	331.4	1990	1	EA	\$ 1,196.02
	Air Release Valve	331.4	1990	1	EA	\$ 2,232.57
	Hydrants	335.4	1990	7	EA	\$ 10,034.69
	3/4" Copper Service with Curb Stop and Valve	333.4	1990	49	EA	\$ 18,491.29
Hillview Phase 1						
	12" DIP	331.4	2004	610	LF	\$ 240,544.72
	6" DIP	331.4	2004	3,250	LF	\$ 169,171.01
	8" DIP	331.4	2004	7,600	LF	\$ 93,892.03
	6" Gate Valve	331.4	2004	7	EA	\$ 1,541.77
	8" Gate Valve	331.4	2004	36	EA	\$ 14,023.19
	12" Gate Valve	331.4	2004	4	EA	\$ 49,404.59
	Blow Off Valve	331.4	2004	6	EA	\$ 9,250.64
	3/4" Copper Service with Curb Stop and Valve	333.4	2004	208	EA	\$ 2,543.92
	Hydrants	335.4	2004	6	EA	\$ 4,915.16
	Hillview Bulk Meter Pit	304.4	2004	1	EA	\$ 44,668.72
Hillview Phase 2						
	6" DIP	331.4	2005	2,257	LF	\$ 59,808.12
	6" Gate Valve	331.4	2005	5	Ea	\$ 5,259.02
	8" DIP	331.4	2005	9,455	LF	\$ 281,384.14
	8" Gate Valve	331.4	2005	38	EA	\$ 52,981.58
	Hydrants	335.4	2005	9	EA	\$ 40,873.60
	3/4" Copper Service with Curb Stop and Valve	333.4	2005	305	EA	\$ 236,248.28
London Tract						
	6" Gate Valve	331.4	2008	2	EA	\$ 1,564.13
	8" DIP	331.4	2008	850	LF	\$ 30,467.96
	8" Gate Valve	331.4	2008	2	EA	\$ 2,606.88
	Hydrants	335.4	2008	1	EA	\$ 6,354.28
	3/4" Copper Service with Curb Stop and Valve	333.4	2008	14	EA	\$ 6,843.07

MASTER ASSET LIST - WATER

Appendix A-15-a

LOCATION	ASSET	CODE	YEAR	QUANTITY	UNIT	ORIGINAL COST
Meadowbrook						
	10" DIP	331.4	2003	2,890	LF	\$ 105,447.91
	10" Gate Valve	331.4	2003	8	EA	\$ 16,073.94
	12" DIP	331.4	2003	5,635	LF	\$ 347,454.88
	12" Valve	331.4	2003	12	EA	\$ 14,208.06
	6" DIP	331.4	2003	108	LF	\$ 4,117.90
	6" Gate Valve	331.4	2003	8	EA	\$ 8,469.21
	6" Valve	331.4	2003	6	EA	\$ 7,241.83
	8" DIP	331.4	2003	2,685	LF	\$ 86,317.05
	8" Gate Valve	331.4	2003	4	EA	\$ 5,794.72
	Blow Off Valve	331.4	2003	5	EA	\$ 6,424.77
	Franklin Street Pressure Reducing Valve Vault	304.4	2003	1	EA	\$ 43,241.93
	Hydrants	335.4	2003	14	EA	\$ 52,578.81
	3/4" Copper Service with Curb Stop and Valve	333.4	2003	93	EA	\$ 56,312.82
Oakcrest Phase 1						
	6" DIP	331.4	2005	390	LF	\$ 11,668.91
	6" Valve	331.4	2005	9	EA	\$ 9,544.25
	8" DIP	331.4	2005	8,290	LF	\$ 283,638.23
	8" Valve	331.4	2005	27	EA	\$ 38,219.87
	Blow Off Valve	331.4	2005	5	EA	\$ 4,756.91
	Hydrants	335.4	2005	9	EA	\$ 29,569.08
	Air Release Valve	331.4	2005	3	EA	\$ 8,843.76
	1" Service with Curb Stop and Valve	333.4	2005	109	EA	\$ 88,477.41
Oakcrest Glencrest Rd						
	6" DIP	331.4	2005	30	LF	\$ 978.69
	8" DIP	331.4	2005	1,530	LF	\$ 56,709.90
	8" Valve	331.4	2005	1	EA	\$ 1,551.29
	Hydrants	335.4	2005	3	EA	\$ 10,801.53
	Water Air Release Valve/MH	331.4	2005	1	EA	\$ 3,230.61
Oakcrest Phase 2						
	6" DIP	331.4	2015	155	LF	\$ 6,437.79
	8" DIP	331.4	2015	3,140	LF	\$ 170,127.40
	Blow Off Valve	331.4	2015	4	EA	\$ 5,772.23
	Hydrants	335.4	2015	5	EA	\$ 26,627.83
	1" Service with Curb Stop and Valve	333.4	2015	63	EA	\$ 64,521.28
	6" Valve	331.4	2015	6	EA	\$ 9,617.73
	8" Valve	331.4	2015	10	EA	\$ 21,698.71
Old Lincoln Highway						
	8" DIP	331.4	2005	480	LF	\$ 38,023.84
	Hydrants	335.4	2005	1	EA	\$ 5,092.48
	Old Lincoln Highway Bulk Meter Pit	304.4	2005	1	EA	\$ 28,291.55
	3/4" Copper Service with Curb Stop and Valve	333.4	2005	7	EA	\$ 22,039.12
Terry Funeral Home						
	8" DIP	331.4	2017	360	LF	\$ 58,139.47
	Meter	334.4	2017	1	EA	\$ 5,000.00
	6" DIP	331.4	2017	53	LF	\$ 6,954.53
	1.5" CU Service	333.4	2017	1	EA	\$ 1,211.24
	8" Valve	331.4	2017	1	EA	\$ 5,753.39
Timberlane						
	8" DIP	331.4	2005	1,500		\$ 59,671.99
	8" Gate Valve	331.4	2005	6		\$ 8,453.53
	Blow Off Valve	331.4	2005	2		\$ 3,936.69
	Hydrants	335.4	2005	2		\$ 13,882.03
	3/4" Copper Service with Curb Stop and Valve	333.4	2005	53		\$ 43,800.90

MASTER ASSET LIST - WATER

Appendix A-15-a

LOCATION	ASSET	CODE	YEAR	QUANTITY	UNIT	ORIGINAL COST
Valley Crossing						
	10" DIP	331.4	1993	170	LF	\$ 6,699.64
	12" DIP	331.4	1993	3,061	LF	\$ 80,750.01
	12" Gate Valve	331.4	1993	2	EA	\$ 2,383.00
	6" DIP	331.4	1993	2,644	LF	\$ 41,747.78
	6" Gate Valve	331.4	1993	7	EA	\$ 5,167.20
	8" DIP	331.4	1993	7,084	LF	\$ 155,315.50
	8" Gate Valve	331.4	1993	20	EA	\$ 17,010.16
	Blow Off Valve	331.4	1993	5	EA	\$ 2,210.09
	Hydrants	335.4	1993	13	EA	\$ 26,396.97
	3/4" Copper Service with Curb Stop and Valve	333.4	1993	235	EA	\$ 98,599.79
	Wet Tap - Services	333.4	1993	52	EA	\$ 10,513.65
	Air Release Valve	331.4	1993	1	EA	\$ 741.35
	6" Shutoff Valve	331.4	1993	2	EA	\$ 1,108.43
	8" Shutoff Valve	331.4	1993	6	EA	\$ 5,219.83
Red Road						
	12" DIP	331.4	1991	318	LF	\$ 11,023.32
	Red Rd Meter Pit	304.4	1991	1	EA	\$ 24,373.49
	14" DIP	331.4	1991	1,250	LF	\$ 36,561.32
	Stream Crossing	331.4	1991	2	EA	\$ 11,482.62
	8" Service and Wet Tap	333.4	2013	1	EA	\$ 3,361.98
	3/4" Copper Service with Curb Stop and Valve	333.4	1991	1	EA	\$ 389.37
Valley Farm						
	6" DIP	331.4	2007	70	LF	\$ 3,262.30
	8" DIP	331.4	2007	5,045	LF	\$ 271,291.05
	8" Gate Valve	331.4	2007	19	EA	\$ 27,586.19
	8" Insertion Valve	331.4	2007	1	EA	\$ 33,653.71
	Blow Off Valve	331.4	2007	4	EA	\$ 6,417.06
	Hydrants	335.4	2007	7	EA	\$ 38,457.55
	3/4" Copper Service with Curb Stop and Valve	333.4	2007	58	EA	\$ 74,746.20
Valley Springs						
	10" DIP	331.4	1988	1,328	LF	\$ 25,232.00
	6" Gate Valve	331.4	1988	7	EA	\$ 3,116.28
	8" DIP	331.4	1988	11,300	LF	\$ 217,487.05
	8" Gate Valve	331.4	1988	11	EA	\$ 5,977.94
	Blow Off Valve	331.4	1988	8	EA	\$ 2,726.85
	Hydrants	335.4	1988	9	EA	\$ 15,459.62
	3/4" Copper Service with Curb Stop and Valve	333.4	1988	144	EA	\$ 68,347.64
Airport Road						
	Airport Road Bulk Meter Pit	304.4	1991	1	EA	\$ 22,500.00
	4" Service to Airport	333.4	1991	1	EA	\$ 4,426.83
	3" Service with Curb Stop and Valve	333.4	1991	1	EA	\$ 7,164.48
	1" Copper Service	333.4	2015	1	EA	\$ 4,000.00
Strasburg Hills Extension						
	12" DIP	331.4	1993	1,190	LF	\$ 31,392.52
	8" DIP	331.4	1993	1,579	LF	\$ 34,619.31
	12" Gate Valve	331.4	1993	3	EA	\$ 3,574.50
	8" Gate Valve	331.4	1993	1	EA	\$ 850.51
	Hydrants	335.4	1993	2	EA	\$ 4,061.07
	3/4" Copper Service with Curb Stop and Valve	333.4	1993	12	EA	\$ 5,034.88

MASTER ASSET LIST - WATER

Appendix A-15-a

LOCATION	ASSET	CODE	YEAR	QUANTITY	UNIT	ORIGINAL COST
Mineral Springs WTP						
	Wells (V-1, V-2 & V-4)	307.2	1988	-	\$	49,560.00
	Mineral Springs WTP - Electric	320.3	1988	-	\$	25,000.00
	Mineral Springs WTP - Excavation	304.3	1988	-	\$	27,370.63
	Mineral Springs WTP - Paving	304.3	1988	-	\$	14,000.00
	Mineral Springs WTP - Fence	304.3	1988	-	\$	4,000.00
	Mineral Springs WTP - Building	304.3	1988	-	\$	124,851.20
	Mineral Springs WTP - Misc	304.3	1988	-	\$	6,625.53
	WTP & Wells Property - Parcel ID# 38-2-337	303.3	2001	-	\$	1.00
	Bulk caustic soda tank	320.3	2018	-	\$	4,441.00
	Bulk caustic soda tank piping	320.3	2018	-	\$	7,863.00
	Well V-1 pump replacement	311.2	2019	-	\$	9,675.00
	Booster pump replacement	311.3	2017	-	\$	9,571.00
	Green sand filters	320.3	2015	-	\$	2,771.00
	Well V-1 & Well V-2 Rehabilitation	307.2	2012	-	\$	25,312.50
	Cl Analyzer Installation	320.3	2011	-	\$	11,300.00
	SCADA Installation	346.4	2016	-	\$	39,550.00
	Back-Up Data Logger	346.4	2011	-	\$	420.00
	Pressure Switch Installation	320.3	2009	-	\$	3,774.00
	WTP Internal Pipe Replacement	320.3	2008	-	\$	24,330.00
	Cl Analyzer Replacement	320.3	2015	-	\$	4,731.50
Elevated Tank						
	150,000-gallon Elevated Tank	330.4	1988	-	\$	300,000.00
	Tank Rehabilitation/Painting	330.4	2009	-	\$	175,830.00
	Elevated Tank Property - Parcel ID# 38-2-129.1	303.2	2009	-	\$	1.00
	Tank Rehabilitation/Painting Inspection	330.4	2011	-	\$	2,500.00
New Rainbow Elementary						
	8" DIP Service	333.4	2011	1	EA	\$ 113.00
	Meter Pit	304.4	2011	2	EA	\$ 39,900.00
	8" Wet Tap	333.4	2011	2	EA	\$ 4,788.00
DaVita						
	4" DIP Service	333.4	2016	1	EA	\$ 1,630.29
	Meter Pit	304.4	2016	1	EA	\$ 18,452.61
	4" Wet Tap	333.4	2016	1	EA	\$ 945.70
Service Meters						
	Service Meters	334.4	2006	1,666	EA	\$ 166,049.92
Grand Total						\$ 6,843,616.28

Hydrants	108	EA
6" DIP	12,599	LF
8" DIP	79,554	LF
10" DIP	10,916	LF
12" DIP	10,814	LF
14" DIP	1,250	LF
GRAND TOTAL	115,133	
	22 Miles	

APPENDICES

APPENDIX A

SYSTEM MAPPING

- **A1 – Water System Map**

APPENDIX B

- **Uniform System of Accounts - Section 300**
- **PA ACT 12 of 2016**

WATER UTILITY PLANT ACCOUNTS

.1

	Intangible Plant
301. Organization	301.1
302. Franchises	302.1
303. Land and Land Rights	XXXXXXXXXXXX
304. Structures and Improvements	XXXXXXXXXXXX
305. Collecting and Impounding Reservoirs	XXXXXXXXXXXX
306. Lake, River and Other Intakes	XXXXXXXXXXXX
307. Wells and Springs	XXXXXXXXXXXX
308. Infiltration Galleries and Tunnels	XXXXXXXXXXXX
309. Supply Mains	XXXXXXXXXXXX
310. Power Generation Equipment	XXXXXXXXXXXX
311. Pumping Equipment	XXXXXXXXXXXX
320. Water Treatment Equipment	XXXXXXXXXXXX
330. Distribution Reservoirs and Standpipes	XXXXXXXXXXXX
331. Transmission and Distribution Mains	XXXXXXXXXXXX
333. Services	XXXXXXXXXXXX
334. Meters and Meter Installations	XXXXXXXXXXXX
335. Hydrants	XXXXXXXXXXXX
336. Backflow Prevention Devices	XXXXXXXXXXXX
339. Other Plant and Miscellaneous Equipment	339.1
340. Office Furniture and Equipment	XXXXXXXXXXXX
341. Transportation Equipment	XXXXXXXXXXXX
342. Stores Equipment	XXXXXXXXXXXX
343. Tools, Shop and Garage Equipment	XXXXXXXXXXXX
344. Laboratory Equipment	XXXXXXXXXXXX
345. Power Operated Equipment	XXXXXXXXXXXX
346. Communication Equipment	XXXXXXXXXXXX
347. Miscellaneous Equipment	XXXXXXXXXXXX
348. Other Tangible Plant	XXXXXXXXXXXX

WATER UTILITY PLANT ACCOUNTS

<u>.2</u>	<u>.3</u>	<u>.4</u>	<u>.5</u>
Source of Supply and Pumping Plant	Water Treatment Plant	Transmission and Distribution Plant	General Plant
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
303.2	303.3	303.4	303.5
304.2	304.3	304.4	304.5
305.2	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
306.2	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
307.2	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
308.2	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
309.2	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
310.2	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
311.2	311.3	311.4	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	320.3	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	330.4	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	331.4	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	333.4	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	334.4	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	335.4	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	336.4	XXXXXXXXXXXXXXXXXX
339.2	339.3	339.4	XXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	340.5
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	341.5
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	342.5
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	343.5
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	344.5
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	345.5
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	346.5
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	347.5
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	348.5

WATER UTILITY PLANT ACCOUNTS

The water utility plant accounts have been designed utilizing an account matrix. The matrix employs a list of object accounts which in effect act as control accounts. The object accounts are further segregated by the matrix into classifications by functions or subaccounts. The instructions for segregating the object accounts to the function subaccounts are contained in Accounting Instruction 24. Listed below are the object account descriptions.

301. Organization

This account shall include all fees paid to federal or state governments for the privilege of incorporation and expenditures incident to organizing the corporation, partnership or other enterprise and putting it into readiness to do business. A sample of items to be included in this account are listed below.

1. Actual cost of obtaining certificates authorizing an enterprise to engage in the public utility business.
2. Fees and expenses for incorporation.
3. Fees and expenses for mergers or consolidations.
4. Office expenses incident to organizing the utility.
5. Stock and minute books and corporate seal.

Note A:--This account shall not include any discounts upon securities issued or assumed; nor shall it include any costs incident to negotiating loans, selling bonds or other evidences of debt, or expenses in connection with the authorization, issuance and sale of capital stock.

Note B:--Exclude from this account and include in the appropriate expense account the cost of preparing and filing papers in connection with the extension of the term of incorporation unless the first organization costs have been written off. Where charges are made to this account for expenses incurred in mergers, consolidations or reorganizations, amounts previously included herein or in similar accounts in the books of the companies concerned shall be excluded from this account.

302. Franchises

A. This account shall include amounts paid to the federal government, to a state or to a political subdivision thereof in consideration for franchises, consents or certificates, running in perpetuity or for a specified term of more than one year, together with necessary and reasonable expenses incident to procuring such franchises, consents or certificates of permission and approval, including expenses of organizing and merging separate corporations, where statutes require solely for the purpose of acquiring franchise.

WATER UTILITY PLANT ACCOUNTS

B. If a franchise or certificate is acquired by assignment, the charge to this account in respect thereof shall not exceed the amount paid therefor by the utility to the assignor, nor shall it exceed the amount paid by the original grantee, plus the expense of acquisition to such grantee. Any excess of the amount actually paid by the utility over the amount above specified shall be charged to account 426 - Miscellaneous Nonutility Expenses.

C. When any franchise has expired, the book cost thereof shall be credited hereto and charged to account 426 - Miscellaneous Nonutility Expenses, or to account 110 - Accumulated Amortization of Utility Plant in Service, as appropriate.

D. Records supporting this account shall be kept so as to show separately the book cost of each franchise.

Note:--Annual or other periodic payments under franchises shall not be included herein but in the appropriate expense account.

303. Land and Land Rights

This account shall include the cost of land and land rights used in connection with source of supply, pumping, water treatment plant, transmission and distribution, and general plant operations (See Accounting Instruction 19). A sample of items to be included in this account are listed below:

1. Bulkheads buried, not requiring maintenance or replacement.
2. Cost, first, of acquisition including mortgages and other liens assumed (but not subsequent interest thereon).
3. Condemnation proceedings, including court and counsel costs.
4. Consents and abutting damages, payment for.
5. Conveyancers' and notaries' fees.
6. Fees, commissions, and salaries to brokers, agents, and others in connection with the acquisition of the land or land rights.
7. Leases, cost of voiding upon purchase to secure possession of land.
8. Removing, relocating, or reconstructing property of others, such as buildings, highways, railroads, bridges, cemeteries, churches, telephone and power lines, etc., in order to acquire quiet possession.
9. Retaining walls unless identified with structures.
10. Special assessments levied by public authorities for public improvements on the basis of benefits for new roads, new bridges, new sewers, new curbing, new pavements, and other public improvements, but not taxes levied to provide for the maintenance of such improvements.

WATER UTILITY PLANT ACCOUNTS

11. Surveys in connection with the acquisition, but not amounts paid for topographical surveys and maps where such costs are attributable to structures or plant equipment erected or to be erected or installed on such land.
12. Taxes assumed, accrued to date of transfer of title.
13. Title, examining, clearing, insuring and registering in connection with the acquisition and defending against claims relating to the period prior to the acquisition.
14. Appraisals prior to closing title.
15. Cost of dealing with distributees or legatees residing outside of the state or county, such as recording power of attorney, recording will or exemplification of will, recording satisfaction of state tax.
16. Filing satisfaction of mortgage.
17. Documentary stamps.
18. Photographs of property at acquisition.
19. Fees and expenses incurred in the acquisition of water rights, and grants.
20. Cost of fill to extend bulkhead line over land under water, where riparian rights are held, which is not occasioned by the erection of a structure.
21. Sidewalks and curbs constructed by the utility on public property.
22. Labor and expenses in connection with securing rights of way, where performed by company employees and company agents.

304. Structures and Improvements

This account shall include cost in place of structures and improvements used in connection with source of supply, pumping, water treatment, transmission and distribution and general plant (See Accounting Instruction 20). A sample of items to be included in this account are listed below:

1. Architects' plans and specifications including supervision.
2. Boilers, furnaces, piping, wiring, fixtures and machinery for heating, lighting, signaling, ventilating and air conditioning systems, plumbing, vacuum cleaning systems, incinerator and smoke pipe, flues, etc.
3. Bulkheads, including dredging, riprap fill, piling, decking, concrete, fenders, etc., when exposed and subject to maintenance and replacement.
4. Commissions and fees to brokers, agents, architects and others.
5. Conduit (not to be removed) with its contents.
6. Damages to abutting property during construction.
7. Drainage systems.

WATER UTILITY PLANT ACCOUNTS

8. Elevators, cranes, hoists, etc., and the machinery for operating them.
9. Excavation, including shoring, bracing, bridging, refill and disposal of excess excavated material, cofferdams around foundations, pumping water from cofferdam during construction, test borings.
10. Fences and fence curbs (not including protective fences isolating items of equipment, which should be charged to the appropriate equipment account).
11. Fire protection systems when forming a part of a structure.
12. Flagpole.
13. Floor covering (permanently attached).
14. Foundations and piers for machinery, constructed as a permanent part of a building or other item listed herein.
15. Grading and clearing when directly occasioned by the building of a structure.
16. Intrasite communication system, poles, pole fixtures, wires and cables.
17. Landscaping, lawns, shrubbery, etc.
18. Leases, voiding upon purchase, to secure possession of structures.
19. Leased property, expenditures on.
20. Lighting fixtures and outside lighting systems.
21. Marquee, permanently attached to building.
22. Painting, first cost.
23. Permanent paving, concrete, brick, flagstone, asphalt, etc., within the property lines.
24. Partitions, including movable.
25. Permits and privileges.
26. Water and wastewater systems, for general use.
27. Power boards for services to a building.
28. Retaining walls except when identified with land.
29. Roadways.
30. Roofs.
31. Scales, connected to and forming a part of a structure.
32. Sidewalks, culverts, curbs and streets constructed by the utility on its property.
33. Sprinkling systems.
34. Sump pumps and pits.
35. Stacks -- brick, steel, or concrete, when set on foundation forming part of general foundation and steelwork of a building.
36. Steel inspection during construction.
37. Storage facilities constituting a part of a building.
38. Storm doors and windows.
39. Tanks, constructed as part of a building or as distinct structural units.
40. Temporary heating during construction (net cost).
41. Temporary water connection during construction (net cost).

WATER UTILITY PLANT ACCOUNTS

42. Temporary shanties and other facilities used during construction (net cost).
43. Topographical maps.
44. Tunnels, intake and discharge, when constructed as part of a structure, including sluice gates and those constructed to house mains.
45. Vaults constructed as part of a building.
46. Watchmen's sheds and clock systems (net cost when used during construction only).
47. Water basins or reservoirs.
48. Water front improvements.
49. Water supply piping, hydrants and wells.
50. Water meters and supply system for a building or for general company purposes.
51. Yard surfacing, gravel, concrete, or oil (First cost only).
52. Plant metering.

305. Collecting and Impounding Reservoirs

This account shall include the cost in place of structures and improvements used for impounding, collecting and storing water in the source of supply system. A sample of items to be included in this account are listed below:

1. Aerators (when installed as an integral part of collecting and impounding reservoirs).
2. Bridges and culverts.
3. Clearing land.
4. Dams.
5. Drainage conduits.
6. Embankments.
7. Fish ladders and elevators.
8. Fences.
9. Gate houses and equipment.
10. Landscaping.
11. Lighting systems.
12. Retaining walls.
13. Roads and paths.
14. Sewers.
15. Spillways and channels.
16. Any other permanent improvement to collecting and impounding reservoirs.

306. Lake, River and Other Intakes

This account shall include the cost installed of lake, river and other intakes used as a source of water supply. A sample of items to be included in this account are listed below:

WATER UTILITY PLANT ACCOUNTS

1. Clearing land.
2. Conduits.
3. Cribs.
4. Fences.
5. Gate houses and equipment.
6. Intake pipes (up to suction header).
7. Intake wells.
8. Lighting systems.
9. Screens and racks.

307. Wells and Springs

This account shall include the cost installed of wells and springs used as a source of water supply. A sample of items to be included in this account are listed below:

1. Clearing land.
2. Collecting basins.
3. Collecting pipes.
4. Fences.
5. Landscaping.
6. Lighting systems.
7. Overflow spillways and channels.
8. Sewers.
9. Springs and appurtenances.
10. Wells, casings and appurtenances, including cost of test wells and nonproductive wells drilled as part of a project resulting in a source of water within the same supply area.

308. Infiltration Galleries and Tunnels

This account shall include the cost installed of infiltration galleries and tunnels used as a source of water supply. A sample of items to be included in this account are listed below:

1. Conduits.
2. Gate houses and equipment.
3. Piping.

309. Supply Mains

This account shall include the cost installed of supply mains, pipes, aqueducts and canals and their appurtenances. A sample of items to be included in this account are listed below:

1. Air chambers.
2. Blow-offs and overflows.
3. Bridges and culverts.
4. Canals.
5. Electrolysis control equipment.

WATER UTILITY PLANT ACCOUNTS

6. Manholes.
7. Municipal inspection or permits.
8. Pavement disturbed, including cutting and replacing pavement, pavement base and sidewalks.
9. Pipes, aqueducts or conduits.
10. Placing mains and accessories.
11. Special castings.
12. Sterilizing new mains.
13. Surge tanks.
14. Trenching, including shoring, bracing, bridging, pumping, backfill and disposal of excess excavated material.
15. Tunnels.
16. Valves, valve vaults and appurtenances.

310. Power Generation Equipment

A. This account shall include the cost installed of any equipment used for the production of power principally used in pumping operations.

B. Subaccounts shall be maintained hereunder for the cost of equipment used for each type of power generating equipment.

311. Pumping Equipment

This account shall include the cost of pumping equipment driven by electric power, diesel engines, steam engines and hydraulic water wheels and turbines. A sample of items to be included in this account are listed below:

1. Engines, motors, water wheels and turbines for driving pumps.
2. Pumps, including setting, gearing, shafting and belting.
3. Water piping within station, including valves.
4. Auxiliary equipment for engines and pumps such as oiling systems, cooling systems, condensers, etc.
5. Oil supply lines and accessories.
6. Regulating, recording and measuring devices.
7. Foundations, frames and bed plates.
8. Ladders, stairs and platforms if a part of pumping unit.

320. Water Treatment Equipment

This account shall include the cost installed of apparatus, equipment and other facilities used for the treatment of water. A sample of items to be included in this account are listed below:

1. Aerators (when installed as an integral part of the water treatment plant).
2. Chemical treating plant.
3. Clear water basin.

WATER UTILITY PLANT ACCOUNTS

4. Filter plant.
5. Mixing chambers.
6. Sedimentation or coagulation basin.
7. Softening plant.
8. Disinfection equipment.
9. Reverse osmosis membranes.

Note:--Protecting superstructures shall be included in account 304 - Structures and Improvements.

330. Distribution Reservoirs and Standpipes

This account shall include the cost in place of reservoirs, tanks, standpipes, and appurtenances used in storing water for distribution (See Accounting Instruction 24). A sample of items to be included in this account are listed below:

1. Aerators (when installed as an integral part of distribution reservoirs).
2. Bridges and culverts.
3. Clearing land.
4. Dams.
5. Embankments.
6. Fences.
7. Foundations.
8. Gates and gate houses.
9. Landscaping.
10. Lighting systems.
11. Piping system within reservoirs.
12. Retaining walls.
13. Roads and paths.
14. Rust-proofing apparatus.
15. Sewer drain or storm sewer.
16. Spillways and channels.
17. Standpipes.
18. Tanks.
19. Towers.
20. Valves.

331. Transmission and Distribution Mains

A. This account shall include the cost installed of transmission and distribution mains and appurtenances. A sample of items to be included in this account are listed below:

1. Air chambers.
2. Blow-offs and overflows.
3. Bridges and culverts.
4. Electrolysis control equipment.
5. Gauges and recorders.
6. Jointing and jointing material.

WATER UTILITY PLANT ACCOUNTS

7. Manholes.
8. Meters and appurtenances.
9. Municipal inspection or permits.
10. Pavement disturbed, including cutting and replacing pavement, pavement base and sidewalks.
11. Pipes.
12. Fire mains.

B. Records supporting this account shall be so kept as to show separately the cost of mains of different sizes and types and of each tunnel, bridge, or river crossing.

333. Services

A. This account shall include the cost installed of service pipes and accessories leading to the customers' premises.

B. A complete service begins with the connection on the main and extends to but does not include the connection with the customer's meter. A stub service extends from the main to the property line, or the curb stop (curb stop cock).

C. Services which have been used but have become inactive shall be retired from utility plant in service immediately if there is no prospect for reuse, and, in any event, shall be retired by the end of the second year following that during which the service became inactive unless reused in the interim.

Items

1. Corporation stops or tees.
2. Gate valves and boxes.
3. Goose necks.
4. Jointing and jointing material.
5. Municipal inspection or permits.
6. Pavements disturbed, including cutting and replacing pavement, pavement base and sidewalks.
7. Pipes.
8. Placing pipes and accessories.
9. Protection of street openings.
10. Service or curb boxes.
11. Service or curb stops (curb stop cocks).
12. Tapping main.
13. Tapping saddle.

Note:--When a customer pays all or a part of the cost of the service and such cost is properly includible in this account, the amount borne or contributed by the customer shall be credited to account 271 - Contributions in Aid of Construction.

WATER UTILITY PLANT ACCOUNTS

334. Meters and Meter Installations

A. This account shall include the cost of meters, devices and appurtenances attached thereto, used for measuring the quantity of water delivered to users, whether actually in service or held in reserve. It shall also include the cost of labor employed, materials used and expenses incurred in connection with the original installation of a customer's meters and devices and appurtenances attached thereto.

B. When a meter and/or meter installation is permanently retired from service, the amount at which it is included herein shall be credited to this account.

C. The records covering meters shall be so kept that the utility can furnish information as to the number of meters of each type and size in service and in reserve as well as the location of each meter included in this account.

D. A sample of items to be included in this account are listed below:

1. Meters, including badging and initial testing.
2. Remote meter registers.
3. Installation labor (first installation only).
4. Meter coupling.
5. Meter bars.
6. Meter yokes.
7. Meter fittings, connections and shelves.
8. Meter vaults or boxes.
9. Stops.

Note A:--This account shall not include meters for recording the output of a supply or treatment plant, or those located on mains. It includes only those meters to record water delivered to customers, including company use and for those used elsewhere in the system if a type available for general use.

Note B:--The utility shall maintain a statistical record to show separately the number of each type and size of meter or group of types and sizes as carried in the continuing property record. Underlying records shall be kept so that the utility can determine readily for each such classification the number of company-owned meters in service (subdivided between active and inactive) and the number of meters carried herein but not in service, the latter to include meters undergoing repairs; and the number of meters in service owned by customers.

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Note C:--When a customer pays all or a part of the cost of the meter and such cost is properly includible in this account, the amount borne or contributed by the customer shall be credited to account 271 - Contributions in Aid of Construction.

335. Hydrants

A. This account shall include the cost installed of hydrants in service owned by the utility. A sample of items to be included in this account are listed below:

1. Connections to main.
2. Excavation, backfill, and disposal of excess excavated material.
3. Hydrants and fittings, including barrel and shoe.
4. Manholes.
5. Pavement disturbed, including cutting and replacing pavement, pavement base and sidewalks.
6. Pipe including leads and drains.
7. Tee at main.
8. Valves and valve boxes.

336. Backflow Prevention Devices

A. This account shall include the cost of backflow prevention devices, and appurtenances attached thereto, used for preventing the backflow of water, whether actually in service or held in reserve. It shall also include the cost of labor employed, materials used and expenses incurred in connection with the original installation of a customer's backflow prevention device and appurtenances attached thereto unless done in conjunction with a meter installation.

B. When a backflow prevention device is permanently retired from service, the amount at which it is included herein shall be credited to this account.

C. The records covering backflow prevention devices shall be so kept that the utility can furnish information as to the number of backflow prevention devices of each type and size in service and in reserve as well as the location of each backflow prevention device included in this account.

339. Other Plant and Miscellaneous Equipment

This account shall include the cost installed of all other intangible, source of supply and pumping, water treatment and transmission and distribution plant not provided for in the foregoing accounts.

WATER UTILITY PLANT ACCOUNTS**340. Office Furniture and Equipment**

A. This account shall include the cost of office furniture and equipment owned by the utility and devoted to utility service, and not permanently attached to buildings, except the cost of such furniture and equipment which the utility elects to assign to other plant accounts on a functional basis. A sample of items to be included in this account are listed below:

1. Book cases and shelves.
2. Desk, chairs, and desk equipment.
3. Drafting room equipment.
4. Electronic data processing equipment.
5. Filing, storage and other cabinets.
6. Floor covering.
7. Library and library equipment.
8. Mechanical office equipment such as accounting machines, typewriters, etc.
9. Safes.
10. Tables.

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location.

341. Transportation Equipment

This account shall include the cost of transportation vehicles used for utility purposes. A sample of items to be included in this account are listed below:

1. Airplanes.
2. Automobiles.
3. Bicycles.
4. Electrical vehicles.
5. Motor trucks.
6. Motorcycles.
7. Repair cars or trucks.
8. Tractors and trailers.
9. Other transportation vehicles.

342. Stores Equipment

A. This account shall include the cost of equipment used for the receiving, shipping, handling and storage of materials and supplies.

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location. A sample of items to be included in this account are listed below:

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1. Chain falls.
2. Counters.
3. Cranes (portable).
4. Elevating and stacking equipment (portable).
5. Hoists.
6. Lockers.
7. Scales.
8. Shelving.
9. Storage bins.
10. Trucks, hand and power driven.
11. Wheelbarrows.

343. Tools, Shop and Garage Equipment

This account shall include the cost of tools, implements, and equipment used in construction, repair work, general shops and garages and not specifically provided for or includible in other accounts. A sample of items to be included in this account are listed below:

1. Air compressors.
2. Anvils.
3. Automobile repair shop equipment.
4. Battery charging equipment.
5. Belts, shafts and countershafts.
6. Boilers.
7. Cable pulling equipment.
8. Concrete mixers.
9. Drill presses.
10. Derricks.
11. Electric equipment.
12. Engines.
13. Forges.
14. Furnaces.
15. Foundations and settings specially constructed for and not expected to outlast the equipment for which provided.
16. Gas producers.
17. Gasoline pumps, oil pumps and storage tanks.
18. Greasing tools and equipment.
19. Hoists.
20. Ladders.
21. Lathes.
22. Machine tools.
23. Motor driven tools.
24. Motors.
25. Pipe threading and cutting tools.
26. Pneumatic tools.
27. Pumps.
28. Riveters.
29. Smithing equipment.

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30. Tool racks.
31. Vises.
32. Welding apparatus.
33. Work benches.

344. Laboratory Equipment

A. This account shall include the cost installed of laboratory equipment used for general laboratory purposes and not specifically provided for or includible in other departmental or functional plant accounts. A sample of items to be included in this account are listed below:

1. Autoclaves.
2. Barometers.
3. Cameras.
4. Centrifuge.
5. Distilling apparatus.
6. Furnaces.
7. Microscopes.
8. Ovens.
9. Pitometers.
10. Rain gauges.
11. Refrigerators.
12. Scales.
13. Sterilizers.
14. Stop watches.
15. Testing machines.
16. Thermometers.
17. Voltmeters.
18. Other bacteriological, electric, chemical hydraulic or research equipment.

B. If the utility has equipment includible in this account at more than one location, separate records shall be maintained for each location.

345. Power Operated Equipment

This account shall include the cost of power operated equipment used in construction of repair work exclusive of equipment includible in other accounts. Include, also, the tools and accessories acquired for use with such equipment and the vehicle on which such equipment is mounted. A sample of items to be included in this account are listed below:

1. Air compressors, including driving unit and vehicle.
2. Back filling machines.
3. Boring machines.
4. Bulldozers.
5. Cranes and joists.

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6. Diggers.
7. Engines.
8. Pile drivers.
9. Pipe cleaning machines.
10. Pipe coating or wrapping machines.
11. Tractors -- Crawler type.
12. Trenchers.
13. Other power operated equipment.

Note:--It is intended that this account include only such large units as are generally self-propelled or mounted on moveable equipment.

346. Communication Equipment

This account shall include the cost installed of telephone, telegraph and wireless equipment for general use in connection with utility operations. A sample of items to be included in this account are listed below:

1. Antennae.
2. Booths.
3. Cables.
4. Distribution boards.
5. Extension cords.
6. Gongs.
7. Handsets, manual and dial.
8. Insulators.
9. Intercommunicating sets.
10. Loading coils.
11. Operators desks.
12. Poles and fixtures used wholly for telephone and telegraph wires.
13. Radio transmitting and receiving sets.
14. Remote control equipment and lines.
15. Sending keys.
16. Storage batteries.
17. Switchboards.
18. Teleautograph circuit connections.
19. Telegraph receiving sets.
20. Telephone and telegraph circuits.
21. Testing instruments.
22. Towers.
23. Underground conduit used wholly for telephone or telegraph wires and cable wires.

347. Miscellaneous Equipment

This account shall include the cost of equipment, apparatus, etc., used in utility operations, and which is not includible in any other account. A sample of items to be included in this

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account are listed below:

1. Hospital and infirmary equipment.
2. Kitchen equipment.
3. Recreation equipment.
4. Radios.
5. Restaurant equipment.
6. Soda fountains.
7. Operator's cottage furnishings.
8. Electric signs advertising the corporate name or symbol, plant or facility name, or otherwise serving only the general purpose of acquainting the public with the facilities and services of the utility.
9. Other miscellaneous equipment.

Note:--Miscellaneous equipment of the nature indicated above wherever practicable shall be included in the utility plant accounts on a functional basis.

348. Other Tangible Plant

This account shall include the cost of tangible utility plant not provided for elsewhere.

§ 1329. Valuation of acquired water and wastewater systems.

(a) Process to establish fair market value of selling utility.--Upon agreement by both the acquiring public utility or entity and the selling utility, the following procedure shall be used to determine the fair market value of the selling utility:

(1) The commission will maintain a list of utility valuation experts from which the acquiring public utility or entity and selling utility will choose.

(2) Two utility valuation experts shall perform two separate appraisals of the selling utility for the purpose of establishing its fair market value.

(3) Each utility valuation expert shall determine fair market value in compliance with the Uniform Standards of Professional Appraisal Practice, employing the cost, market and income approaches.

(4) The acquiring public utility or entity and selling utility shall engage the services of the same licensed engineer to conduct an assessment of the tangible assets of the selling utility. The assessment shall be incorporated into the appraisal under the cost approach required under paragraph (3).

(5) Each utility valuation expert shall provide the completed appraisal to the acquiring public utility or entity and selling utility within 90 days of execution of the service contract.

(b) Utility valuation experts.--

(1) The utility valuation experts required under subsection (a) shall be selected as follows:

(i) one shall be selected by the acquiring public utility or entity; and

(ii) one shall be selected by the selling utility.

(2) The utility valuation experts shall not:

(i) derive any material financial benefit from the sale of the selling utility other than fees for services rendered; or

(ii) be an immediate family member of a director, officer or employee of either the acquiring public utility, entity or selling utility within a 12-month period of the date of hire to perform an appraisal.

(3) Fees paid to utility valuation experts may be included in the transaction and closing costs associated with acquisition by the acquiring utility or entity. Fees eligible for inclusion may be of an amount not exceeding 5% of the fair market value of the selling utility or a fee approved by the commission.

(c) Ratemaking rate base.--The following apply:

(1) The ratemaking rate base of the selling utility shall be incorporated into the rate base of:

(i) the acquiring public utility during the acquiring public utility's next base rate case; or

(ii) the entity in its initial tariff filing.

(2) The ratemaking rate base of the selling utility shall be the lesser of the purchase price negotiated by the acquiring public utility or entity and selling utility or the fair market value of the selling utility.

(d) Acquisitions by public utility.--The following apply:

(1) If the acquiring public utility and selling utility agree to use the process outlined in subsection (a), the acquiring public utility shall include the following as an attachment to its application for commission approval of the acquisition filed pursuant to section 1102 (relating to enumeration of acts requiring certificate):

(i) Copies of the two appraisals performed by the utility valuation experts under subsection (a).

(ii) The purchase price of the selling utility as agreed to by the acquiring public utility and selling utility.

(iii) The ratemaking rate base determined pursuant to subsection (c) (2).

(iv) The transaction and closing costs incurred by the acquiring public utility that will be included in its rate base.

(v) A tariff containing a rate equal to the existing rates of the selling utility at the time of the acquisition and a rate stabilization plan, if applicable to the acquisition.

(2) The commission shall issue a final order on an application submitted under this section within six months of the filing date of an application meeting the requirements of subsection (d) (1).

(3) If the commission issues an order approving the application for acquisition, the order shall include:

(i) The ratemaking rate base of the selling utility, as determined under subsection (c) (2).

(ii) Additional conditions of approval as may be required by the commission.

(4) The tariff submitted pursuant to subsection (d) (1) (v) shall remain in effect until such time as new rates are approved for the acquiring public utility as the result of a base rate case proceeding before the commission. The acquiring public utility may collect a distribution system improvement charge during this time, as approved by the commission under this chapter.

(5) The selling utility's cost of service shall be incorporated into the revenue requirement of the acquiring public utility as part of the acquiring utility's next base rate case proceeding. The original source of funding for any part of the water or sewer assets of the selling utility shall not be relevant to determine the value of said assets.

(e) Acquisitions by entity.--An entity shall provide all the information required by subsection (d) (1) to the commission as an attachment to its application for a certificate of public convenience filed pursuant to section 1102.

(f) Postacquisition projects.--The following apply:

(1) An acquiring public utility's postacquisition improvements that are not included in a distribution improvement charge shall accrue allowance for funds used during construction after the date the cost was incurred until the asset has been in service for a period of four years or until the asset is included in the acquiring public utility's next base rate case, whichever is earlier.

(2) Depreciation on an acquiring public utility's postacquisition improvements that have not been included in the calculation of a distribution system improvement charge shall be deferred for book and ratemaking purposes.

(g) Definitions.--The following words and phrases when used in this section shall have the meanings given to them in this section unless the context clearly indicates otherwise:

"Acquiring public utility." A water or wastewater public utility subject to regulation under this title that is acquiring a selling utility as the result of a voluntary arm's-length transaction between the buyer and seller.

"Allowance of funds used during construction." An accounting practice that recognizes the capital costs, including debt and equity funds that are used to finance the construction costs of an improvement to a selling utility's assets by an acquiring public utility.

"Entity." A person, partnership or corporation that is acquiring a selling utility and has filed or whose affiliate has

filed an application with the commission seeking public utility status pursuant to section 1102.

"Fair market value." The average of the two utility valuation expert appraisals conducted under subsection (a)(2).

"Ratemaking rate base." The dollar value of a selling utility which, for postacquisition ratemaking purposes, is incorporated into the rate base of the acquiring public utility or entity.

"Rate stabilization plan." A plan that will hold rates constant or phase rates in over a period of time after the next base rate case.

"Selling utility." A water or wastewater company located in this Commonwealth, owned by a municipal corporation or authority that is being purchased by an acquiring public utility or entity as the result of a voluntary arm's-length transaction between the buyer and seller.

"Utility valuation expert." A person hired by an acquiring public utility and selling utility for the purpose of conducting an economic valuation of the selling utility to determine its fair market value.

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2016 Amendment. Act 12 added section 1329.