

AMENDED APPENDIX A-22-B

CONNOQUENESSING BOROUGH ACT 537 PLAN



Pennsylvania Department of Environmental Protection

230 Chestnut Street
Meadville, PA 16335-3481

OCT 30 2007

Northwest Regional Office

814-332-6942
Fax: 814-332-6121

Ms. Sandra Burtner
Connoquenessing Township
102 Township Drive
Renfrew, PA 16053

Re: **Act 537 Special Study Approval**
Connoquenessing Township, Butler County

Dear Ms. Burtner:

The Department of Environmental Protection (DEP) hereby **approves** the report titled "Report on Special Study for (Butler Area Sewer Authority Service Area)" (Special Study) as a revision to Connoquenessing Township's Official Sewage Plan. Senate Engineering Company is the author of the report, and it is dated September 2006 with subsequent revisions March 2007, July 2007, August 2007, September 2007, and October 2007.

This Special Study will provide Butler Area Sewer Authority (BASA) helpful potential growth information to aid them in their Act 537 planning efforts. Each Special Study prepared by the tributary municipalities will help BASA plan for future needs and eliminate the sewage problems in the Butler area.

Section 6 of the Pennsylvania Sewage Facilities Act provides for reimbursement to municipalities for the cost of preparing revisions to Official Sewage Plans. The reimbursement is limited to 50% of the eligible planning costs. With this plan approval action by the Department, Connoquenessing Township is now eligible to apply for this grant. An application is enclosed for your use.

If you have any questions, please contact Tomisa Schmeider at the New Castle District Office at 724-656-3160.

Sincerely,

Ricardo F. Gilson
Regional Manager
Water Management

Enclosure

cc: Mr. William Braun
Mr. John Schon
Mr. David Johnston
Ms. Tomisa Schmeider
Mr. Michael Zimmerman/Ms. Cynthia Selby
File

Connoquenessing Township



102 Township Dr.

Renfrew, PA. 16053

Board of Supervisors:

Stephen M. Misko, Chairman
Evelyn Hockenberry, Vice Chairman
Ray L. Kroll, Supervisor

Sandra L. Burtner, Secretary

PHONE: 724-789-7186

FAX: 724-789-7835

E-Mail: Connoquenessingtwp@zoominternet.net

November 12, 2007

Butler Area Sewer Authority
Attention: M. John Schon
100 Litman Road
Butler, Pa 16001-3256

RE: Special Study

Dear Mr Schon:

As per your letter dated November 2, 2007, enclosed is a copy of the Connoquenessing Township Special Study for Butler Area Sewer Authority Service Area, dated September 2006 revised October 2007.

Sincerely,

A handwritten signature in black ink, appearing to read "Sandra L. Burtner". The signature is fluid and cursive, written over the printed name and title.

Sandra L Burtner
Secretary

RECEIVED

NOV 13 2007

BASA

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CONNOQUENESSING TOWNSHIP
BUTLER COUNTY

REPORT ON SPECIAL STUDY FOR
(BUTLER AREA SEWER AUTHORITY SERVICE AREA)

SEPTEMBER 2006
REVISED OCTOBER 16, 2007

Prepared by:

SENATE ENGINEERING COMPANY
U-PARC
420 William Pitt Way
Pittsburgh, PA 15238
Telephone 412-826-5454
Fax 412-826-5458

P\007\7779\REP\7779R-Rev

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Revised 9/24/07

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CONNOQUENESSING TOWNSHIP BUTLER COUNTY

REPORT ON SPECIAL STUDY FOR THE SERVICE AREA OF BUTLER AREA SEWER AUTHORITY SENATE #7779

1. BACKGROUND

This report is prepared in response to the consent order (Appendix V) dated October 13, 2006 issued by PA Department of Environmental Protection in Meadville, PA.

The order was issued to all municipalities which are currently contributing sewage flow to the collection, conveyance, pump stations, and the sewage treatment facilities owned and operated by Butler Area Sewer Authority (BASA).

2. IDENTIFICATION OF PLANNING AREAS

Planning areas are divided into two areas. These are the existing area already served by BASA's sewer system and future service areas which can be considered for service by BASA's system. These are described below.

3. EXISTING SERVICE AREA

A general plan of the BASA's sewer system in and adjacent to Connoquenessing Township is attached as Exhibit III.

Two small areas of the Township with about 180 customers from the Township are currently served by the BASA system. These areas are designated on Exhibit III. Sewage flow from these customers (along with flow from other customers in the watershed) is collected at a pump station identified as **Cupps Road Pump Station** and several customers at the northeast part of the Township flows are to the Greenwood Drive Pump Station. The pump stations deliver sewage to BASA's sewage treatment plant.

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BASA has indicated that Cupps Road Pump Station pumped about 232,600 gallons/day in 2005. Out of this, existing contribution from Connoquenessing Township would be about 73,000 gallons/day (utilizing 1 EDU = 400 gallons/day).

4. FUTURE SERVICE AREAS

A review of Exhibit III indicates that **three** other areas of this Township adjacent to the BASA system could be considered for sewer service by the BASA system. This is proposed since there is no existing public sewer system in close proximity.

The three areas proposed for consideration are:

- Future area identified as Winterwood Drive Area. This area is designated as **Future Service Area A** on Exhibit III. It is currently proposed as individual grind pumps with a pressure main discharge to BASA (closest existing manhole to the east of the plan),
- **Future Service Area B** is located in the northeast part of the Township. This area could be gravity sewered or pumped to BASA system in the future as the topography indicates. An existing mobile home park (Gloden L) could be tied into this system in the future.
- **Future Service Area C** – The majority of this area located south of SR68 could be served by new gravity sewers to a proposed pump station with a force main discharge to the existing Cupps Road pump station. The future pump station would be located approximately 3,000 feet downstream of the Cupps Road pump station. An existing mobile home park, Woodland Meadows as well as Buttercup Campground, could tie into the proposed gravity sewers and to the proposed pump station.

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The part of Future Service Area C located north of SR68 could be served by gravity sewers and a new pump station located near Whitestown Road west of Eagle Mill Road with sewage thence pumped to the existing BASA collection system. Brandywine residential development could be tied into this system in the future. Buttercup Campground could tie into this system as well as the southern direction as stated in the above paragraph.

All proposed future service areas will be studied for alternate methods of treatment as part of the Comprehensive Act 537 Plan Update, which is currently underway.

5. PHYSICAL CHARACTERISTICS OF THE PLANNING AREAS

Exhibit III clearly shows the topography of the three areas. The areas are located on plateaus which slope toward several streams as shown in blue in Exhibit III. The surface elevations range from about 1340 (U.S.G.S. datum) at the northern end of the Farm Show Area to a low of about 1200 at the lower end of the service area.

This topography indicates that rain water flows in different directions towards north, west and south. This limits the areas of the Township which can be served by the BASA system which flows towards the east.

6. EXISTING SEWAGE FACILITIES

Location of existing sewage collection lines within the boundaries of Connoquenessing Township are shown in Exhibit III. All sewer lines are 8" diameter. It is understood that the lines are owned by BASA.

For the existing BASA customers areas south of SR 68 sewage is conveyed to the existing Cupps Road Pump Station owned and operated by Butler Area Sewer Authority (BASA). For the small area at the northeast part of the Township, sewage is conveyed to

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the Greenwood Drive Pump Station, also owned and operated by BASA. Further conveyance and treatment is also provided by BASA.

There are four functioning treatment facilities in the study area. The facilities are located in two trailer parks (Woodland Meadows Trailer Park and Rolling Valley Estates Trailer Park) one campground facility (Buttercup Campgrounds and the Brandywine residential development). Each facility is owned by the individual property owners/homeowners association and is served by a private collection system which serves the respective property exclusively. The facilities only have capacity to collect and treat sewage produced by the residents of the respective parks/developments.

The Kriess Road Business Park and Hindman Complex have privately owned pump stations which discharge to existing BASA facilities.

Each of the treatment facilities for the above trailer parks and campground properties use the extended aeration method of treatment. Secondary treatment is achieved by the use of sand filters and the effluent is then treated with chlorine. Each plant is sized at between 14,000-22,500 gallons per day. There is very minimal capacity to accept sewage from other sources. The Brandywine Residential Development is sized to treat effluent from the total plan build-out of 255 dwelling units. (38,530 GPD)

The existing facilities appear to have adequate capacity to treat the associated sewage flows, however each plant will need various improvements to keep the plants operational. There is a problem within each plant regarding one or more of the following. Corrosion of tanks and associated piping, blower noise and odor problems. Operation and maintenance procedures also need to be addressed to ensure that the plants are functioning properly. The existing facility at Bradywine is relatively new and has no problems.

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It is the Township's and DEP's intent to further address these treatment plants as well as the entire Township in a comprehensive Act 537 Plan Update which is currently underway.

BASA's collection, conveyance and treatment system in various locations has allowed surcharging and by-passing of untreated sewage during times of wet weather. Because the BASA system is hydraulically overloaded during certain times the DEP issued a Consent Order and Agreement which mandates that all tributary municipalities must update their official sewage plans. This special Study is the Township's plan update in regards to BASA.

7. FUTURE GROWTH AND LAND DEVELOPMENT

These items are discussed separately for each area.

The planning areas are located within Zone No. 499 in the population projections obtained from Southwestern Pennsylvania Commission (SPC). Information received from that agency is attached as Appendix I. It shows a decrease of population in Zone 499 from the year 2005 to year 2030. It appears that these were the projections prepared after considering various factors. However, the relatively recent developments along Route 68 and Kriess Road areas have been taken into account with reasonable future growth projections.

Existing Service Areas:

It is reported that approximately 186 EDU's from these three areas are currently connected to BASA system.

The following paragraph expands upon the Farm Show which is included as existing. It is reported that about 4 structures in this area have toilet facilities connected to BASA system. When there is no farm show estimated flow from these connections is less than 3,000 gallons/monthly which is equivalent to about

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1 EDU. When the farm show is held, a total estimated flow of about 95,000 gallons is discharged to BASA system during that month. On farm show days flow demand can exceed the available facilities. Additional needs are met by using portable chemical toilets. The farm show has recently installed 18 additional toilet facilities. For the purpose of this study it is estimated that 26 EDU's (maximum) could be realized during the month of the event and this 26 EDU's are included in the above summary of 186 EDU's. In addition, the Township may consider alternatives other than BASA for the treatment of sewage for this area

Future Service Area A:

At this time, a small development exists in the Winterwood Drive area. This development has about 26 individual EDU's. The development currently proposes individual grinder pumps and a pressure sewer system with a final connection to a nearby manhole on BASA system. During the future planning period for which this study is based upon, an alternate means of conveyance and location of treatment (not BASA) for this area could be realized.

8. NEEDED SEWERAGE PLANNING

The following is the summary of the sewerage planning needs for Connoquenessing Township. There is currently no zoning ordinance in Connoquenessing Township, however, a Joint Comprehensive Plan is being formulated.

Existing Service Area

Estimated current Township flows of about 73,000 gallons/day are handled by Cupps Road Pump Station. This pump station delivered about 232,600 gallons/day in 2005. The pump station has a design capacity of about 576,000 gallons/day. Therefore, there is adequate capacity in the pump station. Further conveyance and treatment needs will be provided by BASA.

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Estimated current Township flows of 1600 gallons/day are handled by the Greenwood Drive Pump Station, it delivered 148,000 gallons/day in 2005. The pump Station has a design capacity of 288,000 gallon/day. Therefore, there is adequate capacity in the pump station. Further conveyance and treatment needs will be provided by BASA.

Future Service Area A: Winterwood Drive Area

About 26 EDU's are currently proposed in this area. About 22 EDU's are existing potential customers and 4 EDU's are future growth projections. The needs are estimated at about 10,000 gallons/day. The area will connect to a nearby existing manhole on BASA system. Further conveyance and treatment will have to be provided by BASA.

Future Service Area B: Northeast Corner of Township

An estimated 5 EDU's of future growth projections in the small area could potentially drain by gravity to the BASA system. The existing Golden L Mobile Home Park (32 homes) and adjacent area of about 8 EDU's future growth could also possibly be served by gravity/pump for an estimated 40 EDU's. Total estimated EDUs for this area is 45. Further conveyance and treatment will be provided by BASA.

Future Service Area C:

^{430 (Pg. 9)}
North: Approximately 446 EDU's from this area are estimated based on existing potential customers and proposed growth projections, 261 EDU's are existing potential customers and 185 EDU's are growth projections. For the growth projections, 135 EDU's are the remaining "build-out" of Brandywine and 50 EDU's are estimated based on recent development trends. (Roughly 10-15 acres of land near Whitestown Road, Eagle Mill Road and SR68 could be developed into multi family housing per the Future Land Use Map (Exhibit XI) of which approx. 40 EDU's would be generated. One quadraplex per acre is typical of recent trends in the area. It is projected that 10 EDU's of single family homes will be constructed along Eagle Mill and Whitestown Roads).

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South: Approximately 319 EDU's from this area are estimated based on existing potential customers and proposed growth projections. Existing potential customers equal approximately 189 EDU's and 130 EDU's are estimated growth projections based on recent development trends. (Roughly 60 acres located along the Rt. 68 corridor is developable by mixed commercial such as offices, auto dealers, restaurants, etc. which would generate approx. 30 EDU's. The Kriess, Reiber & Cupps Road areas have approx. 100 acres of single family and multi-family residential potential which will generate approx. 100 EDU's).

9. SUMMARY

The needs of areas of Connoquenessing Township are detailed above and summarized below. The areas will connect to BASA system at four locations. It is presumed that BASA, to comply with the consent order, will consider these needs and plan for conveyance and treatment facilities.

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Proposed EDU request by
Planning Period 5, 10, 20, 30 Years

Future Service Area A - WINTERWOOD DR	(26, 0, 0, 0)
Future Service B - GOLDEN L MHP	(5, 32, 8, 0)
Future Service Area C [North] 201 EXISTING	(0, 412, 18) = 430
Existing Potential Customers Brandywine (0, 120, 0, 0) ^{EX.}	} STP
Growth Projections Brandywine (0, 135, 0, 0)	
Rolling Valley Estates (0, 76, 0, 0) ^{MHP} ^{EX.} - STP	
Growth Projections Rt. 68/Whitestown/Eagle Mill Roads (0, 16, 16, 18) = 50	
Existing Potential Customers residential/commercial (0, 65, 0, 0) ^{EX.}	
Future Service Area C [South] 189 EXISTING	(0, 222, 34)
Woodland Meadows (0, 58, 0, 0) ^{MHP} ^{EX.} - STP	
Buttercup Campground (0, 33, 0, 0) ^{PN} ^{EX.} - STP	
Growth Projection - Farm Show Property (0, 0, 30, 0)	
Growth Projections Kriess/Rt 68 Development (0, 33, 33, 34)	
Existing Potential Customers residential/commercial (0, 98, 0, 0) ^{EX.}	
TOTAL (EDU's)	(31; 666; 87; 52)
	= 836
TOTAL (Flows, gpd)	(12, 400; 266,400; 34,800; 20,800)
	= 334,400 gpd

REVISED 9-24-07

APPENDIX I

CONNOQUENESSING TOWNSHIP
BUTLER COUNTY

BASA SERVICE
POPULATION INFORMATION (SPC)

Senate Engineering Co.

From: "Bob Schwartz" <schwartz@spreregion.org>
To: <senate@senateengineering.com>
Sent: Friday, August 18, 2006 10:10 AM
Attach: Cycle 7 Baseline population by zone for selected munics in Butler County.xls; Butler County Traffic Analysis Zones.pdf
Subject: Data requested from SPC

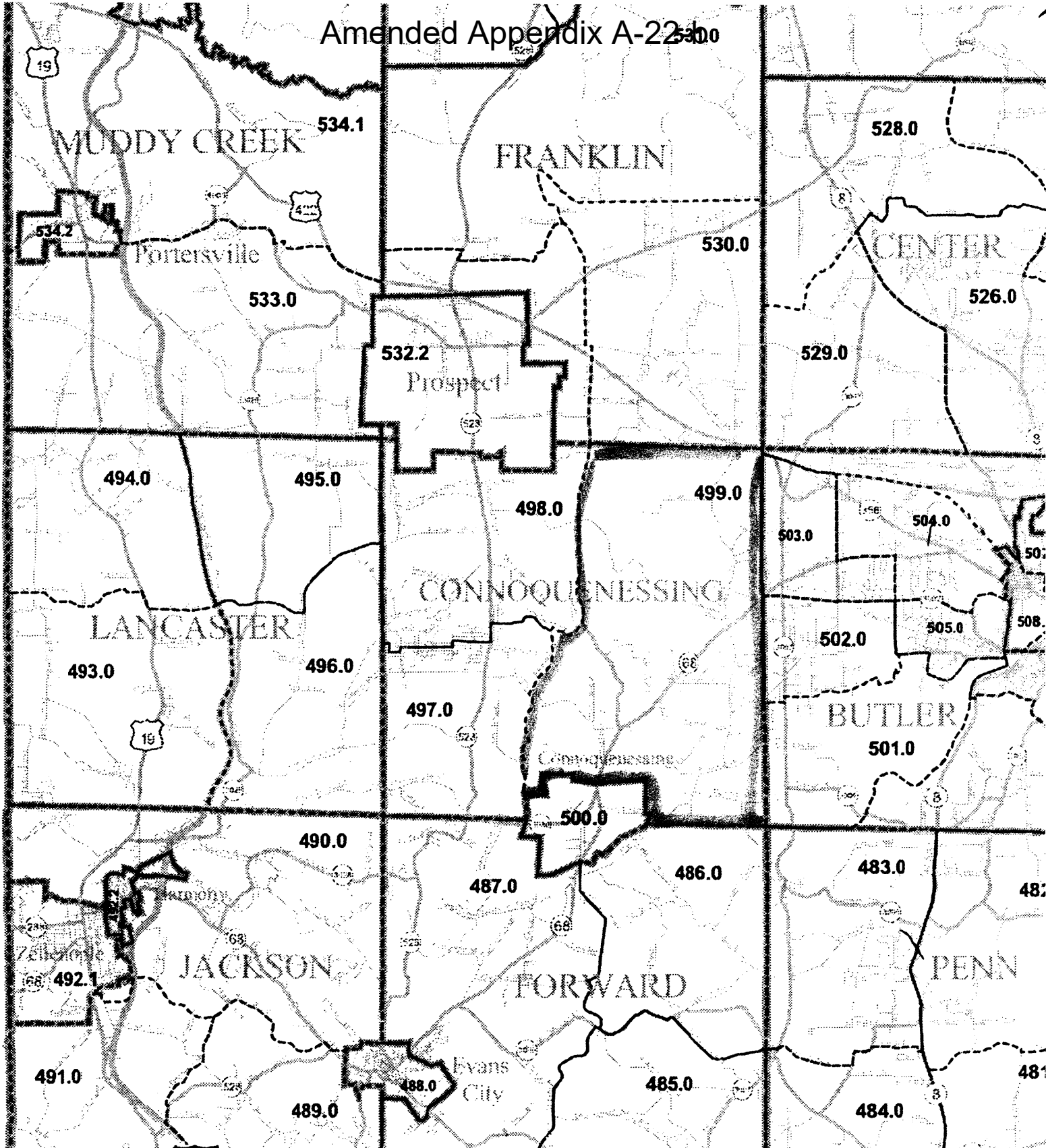
Vishnu:

Attached are the following:

- An Excel file containing the SPC Cycle 7 Baseline forecast by zone for the 7 municipalities around Connoquenessing Township in Butler County, for which you agreed you wanted as per our phone conversation. The only Cycle 7 Baseline data items you wanted are population so that is all that is in the Excel file, other than land and water area.
- A PDF-formatted map of Butler County displaying the zone numbers and boundaries.

This information is free.

Robert Schwartz Phone (412) 391-5590 ext 336
Southwestern PA Commission FAX (412) 391-9160
Regional Enterprise Tower E-mail schwartz@spreregion.org
425 Sixth Avenue, Suite 2500 SPC web site <http://www.spreregion.org>
Pittsburgh, PA 15219-1852



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Cycle 7

SOUTHWESTERN PENNSYLVANIA COMMISSION

Cycle 7 Baseline population forecast by zone for selected municipalities surrounding Connoquenessing Township in Butler County

Sorted SPC County-Municipal Code, Zone

County Code	SPC County-Municipal Code	Zone	Municipality	SQUARE MILES (ALL YEARS)			2000	2005	2010	2020	2025	2030
				Total Area	Land Area	Water Area	Total Population	Total Population	Total Population	Total Population	Total Population	Total Population
019	019035	501.0	Butler Township	4.03	3.93	0.10	640	746	755	796	826	854
019	019035	502.0	Butler Township	2.02	2.01	0.01	2267	2644	2675	2821	2925	3027
019	019035	503.0	Butler Township	2.05	2.04	0.00	1753	2037	2061	2172	2250	2327
019	019035	504.0	Butler Township	2.51	2.51	0.00	2911	3379	3417	3599	3728	3854
019	019035	505.0	Butler Township	1.15	1.14	0.00	2076	2420	2450	2583	2678	2772
019	019035	506.0	Butler Township	3.22	3.22	0.00	1662	1938	1961	2069	2145	2218
019	019035	511.1	Butler Township	1.59	1.57	0.02	2912	3356	3392	3564	3687	3807
019	019035	511.2	Butler Township	0.41	0.40	0.00	330	385	390	411	426	441
019	019035	513.0	Butler Township	4.71	4.71	0.00	2634	3070	3106	3276	3396	3514
019	019085	500.0	Connoquenessing Borough	1.43	1.42	0.00	564	487	468	447	439	429
019	019090	497.0	Connoquenessing Township	4.46	4.46	0.00	612	795	769	755	754	750
019	019090	498.0	Connoquenessing Township	5.84	5.83	0.00	605	785	760	746	745	741
019	019090	499.0	Connoquenessing Township	12.16	12.16	0.00	2426	3163	3061	3003	2999	2983
019	019150	489.0	Jackson Township	5.05	5.04	0.00	958	1271	1218	1167	1150	1127
019	019150	490.0	Jackson Township	10.58	10.52	0.06	1825	2383	2288	2198	2166	2125
019	019150	491.0	Jackson Township	5.58	5.58	0.00	862	1144	1096	1050	1035	1014
019	019165	493.0	Lancaster Township	7.40	7.40	0.00	1213	1390	1343	1282	1258	1228
019	019165	494.0	Lancaster Township	5.28	5.27	0.01	665	762	736	702	690	674
019	019165	495.0	Lancaster Township	4.57	4.56	0.00	144	166	160	152	149	146
019	019165	496.0	Lancaster Township	6.14	6.14	0.00	489	560	541	517	507	495
019	019190	533.0	Muddy Creek Township	11.28	11.24	0.04	1022	1059	1049	1062	1079	1093
019	019190	534.1	Muddy Creek Township	12.55	10.55	1.99	1245	1289	1277	1293	1314	1332
019	019220	532.2	Prospect Borough	4.78	4.77	0.00	1234	1557	1554	1605	1648	1689

APPENDIX II

FLOW INFORMATION FROM BASA

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TABLE 6

BUTLER AREA SEWER AUTHORITY ESTIMATED 2005 AND PROJECTED 2007 PUMP STATION FLOWS

PUMP STATION	YEAR BUILT	DESIGN CAPACITY		ESTIMATED AVERAGE 2005 DAILY FLOW (GPD)	ESTIMATED AVERAGE PERCENT UTILIZATION	PROJECTED AVERAGE 2007 DAILY FLOW (GPD)
		(GPM)	(GPD)			
Negley Avenue *	1977	420	241,920	108,600 *	44.9%	108,166
Center Avenue #	1963	300	172,800	77,600 #	44.9%	77,290
Diamond Street *	1975	100	57,600	19,100 *	33.2%	19,024
Zeigler Avenue *	1976	150	86,400	16,100 *	18.6%	16,036
Monroe Street *	1979-80	2,250 (2)	2,592,000	1,524,000 *	58.8%	1,517,904
Deshon *	1980	1,750 (2)	2,016,000	1,429,400 *	70.9%	1,423,682
Karns Crossing *	1979-80	1,800 (2)	2,073,600	635,800 *	30.7%	633,257
Garden Grove #	1972	320	184,320	75,600 #	41.0%	75,298
Township Line *	1999	90 (2)	86,400	41,900 *	48.5%	41,732
Northvue #	1979-80	280	161,280	7,340 #	4.6%	7,311
Fisher Heights *	1979-80	250	144,000	93,000 *#	64.6%	92,628
Brewster Road #	1979-80	600	345,600	190,000 #	55.0%	189,240
Brewster Booster #	1979-80	600	345,600	161,400 #	46.7%	160,754
Greenwood Drive *	1979-80	500	288,000	148,000 *#	51.4%	147,408
Benbrook Road #	1979-80	500	288,000	122,700 #	42.6%	122,209
Bryson Road *	1979-80	500	288,000	174,800 *	60.7%	174,101
Cupps Road *	1979-80	400 (1) 700 (2)	576,000	232,600 *	40.4%	231,670
Rock Lick *	1979-80	550 (1) 1,050 (2)	892,800	414,100 *	46.4%	412,444
Sugar Creek	2005	80	46,080	50 *	0.1%	50
September Drive **	1988	75	43,200	8,100 #	18.8%	8,068
Foxcroft **	2004	40	23,040	9,140 **	39.7%	9,103
Links ##	1991	30	2,450	1,400 ##	57.1%	1,750

* Based on actual flow metering data. *# Based on 2004 flow data & 2005 percent drop in operating hours.

Based on actual pump operating hours.

** Based on kilowatt hours due to lack of telemetering equipment.

Based on estimated flow from four existing service connections. (Only 5 possible future service connections)

APPENDIX III
DELINEATION OF SEWERAGE STUDY AREAS MAP

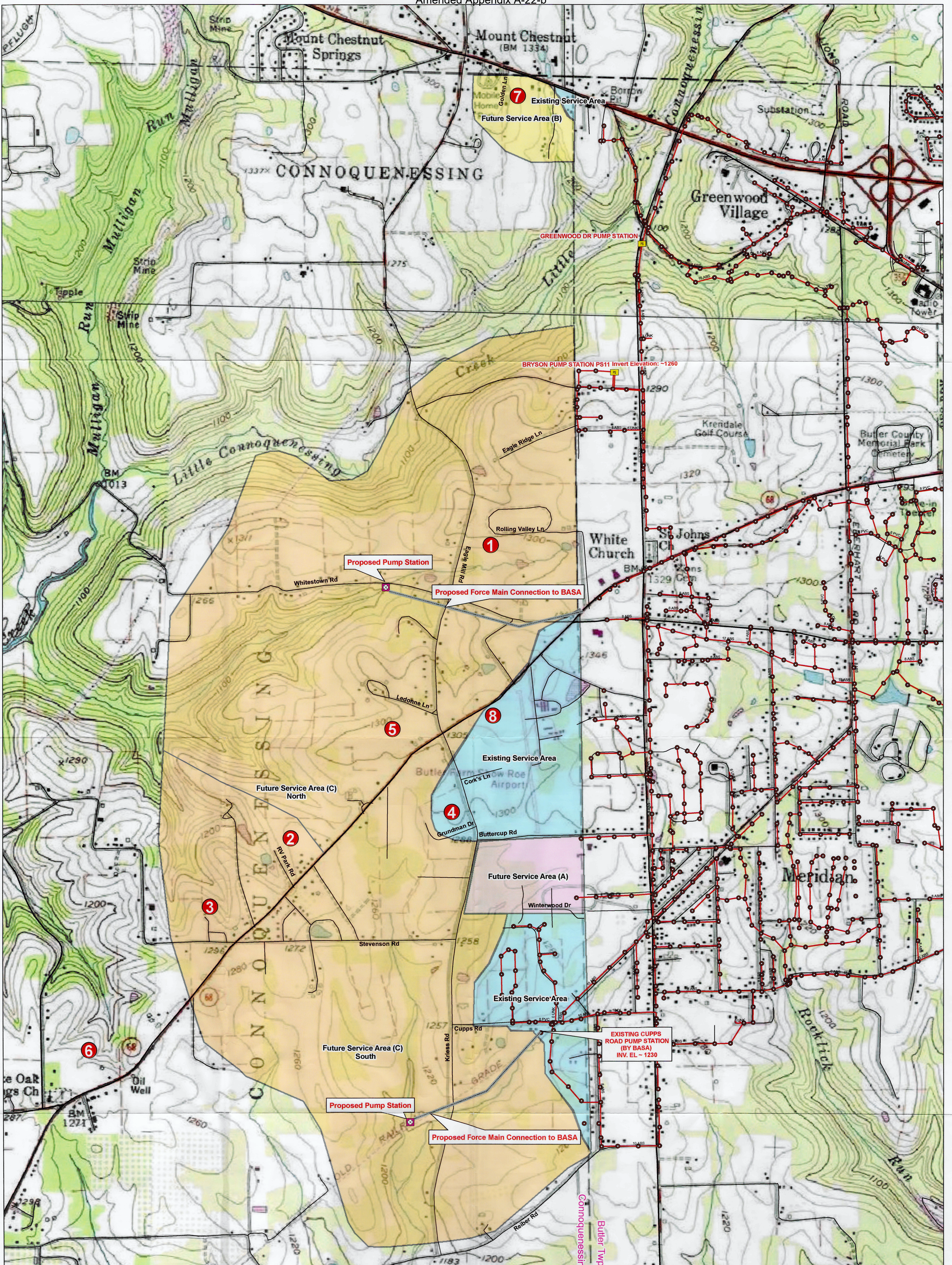
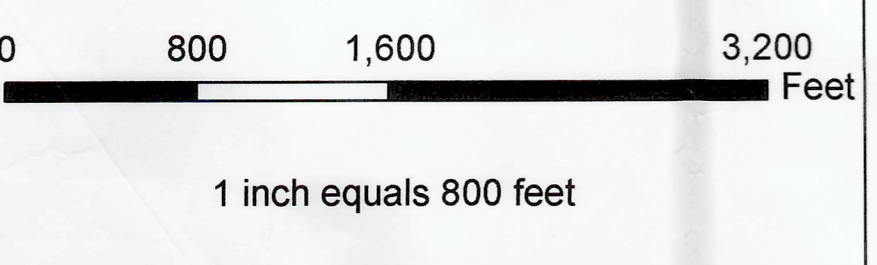


EXHIBIT III

**CONNOQUENESSING TOWNSHIP, BUTLER COUNTY:
DELINEATION OF SEWERAGE STUDY AREAS**
USGS 7.5 Minute Topographic Maps Butler & Connoquenessing Quadrangle



Date: 8/01/2007
Revision: 8/15/07
Senate #: 7779

SENATE engineering
Geographic Information Systems
U-PARC
420 William Pitt Way
Pittsburgh, PA 15238
412-826-5454

Legend	
	Pump Stations
	Manholes
	Sanitary Sewer
	State Roads
	Local Roads
	Existing Service Area
	Future Service Area (A)
	Future Service Area (B)
	Future Service Area (C)

Legend	
1)	Rolling Valley Estates Mobile Home Park (STP)
2)	Buttercup Campgrounds (STP)
3)	Woodland Meadows Mobile Home Park (STP)
4)	Kriess Road Business Park (Pump Station)
5)	Brandywine Residential Development (STP)
6)	Shannon Mills Residential Development (STP)
7)	Golden L Mobile Home Park
8)	Hindman Commercial Complex (Pump Station)

APPENDIX IV

COUNTY AND TOWNSHIP PLANNING COMMISSION REVIEW LETTERS

Amended Appendix A-22-b
Butler County Board of Commissioners
Planning Commission

124 W. Diamond Street, PO Box 1208, Butler, PA 16003-1208
Phone 724.284.5300 Fax 724.284.5315 TDD 724.284.5473

Commissioners

Scott K. Lowe, ***Chairman***
Glenn L. Anderson, ***Vice Chairman***
James L. Kennedy, ***Secretary***



Director of Planning

David P. Johnston

November 20, 2006

Diane Snyder, Secretary
Connoquenessing Township
102 Connoquenessing Drive
Renfrew, PA 16053

Dear Connoquenessing Township Supervisors,

The Butler County Planning Commission would like to thank you for preparing the Act 537 Special Study Plan for Connoquenessing Township. Our office has reviewed the plan. We commend Connoquenessing Township on their planning efforts.

We wish you luck in your planning endeavors and understand the importance to complete the full document. If our office can be of any assistance please do not hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read "Doniele J. Andrus". The signature is written in a cursive style with a large initial "D".

Doniele J. Andrus
Associate Planner

Connoquenessing Township



Board of Supervisors:

Stephen M. Misko, Chairman
Evelyn Hockenberry, Vice Chairman
Ray L. Kroll, Supervisor

Sandra L. Burtner, Secretary


**102 Township Dr.
Renfrew, PA. 16053**

**PHONE: 724-789-7186
FAX: 724-789-7835
E-Mail: Connoquenessingtpw@zoominternet.net**

August 16, 2007

The Connoquenessing Township Planning Commission reviewed the BASA Act 537 Special Study, as revised July 27, 2007, at it's regular monthly meeting on August 15, 2007.

A motion was made and passed to approve the study contingent upon all the comments offered by DEP being successfully addresses.


Wayne C. Myers
Planning Commission Chairman,
Connoquenessing Township

APPENDIX V

CONSENT ORDER AND AGREEMENT

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

In the Matter of:

Butler Area Sewer Authority, :
City of Butler, Butler Township, :
Center Township, Summit : The Clean Streams Law
Township, Borough of East : Pennsylvania Sewage Facilities Act
Butler, Oakland Township, and :
Connoquenessing Township :
Butler County, Pennsylvania :

CONSENT ORDER AND AGREEMENT

This Consent Order and Agreement is entered into this 13th day of October 2006,

by and between the Commonwealth of Pennsylvania, Department of Environmental Protection (“Department”), Butler Area Sewer Authority (“BASA”), the City of Butler, Butler Township, Center Township, Summit Township, the Borough of East Butler, Oakland Township, and Connoquenessing Township.

FINDINGS

The Department has found and determined the following:

Parties

A. The Department is the agency with the duty and authority to administer and enforce The Clean Streams Law, Act of June 22, 1937, P.L. 1987, *as amended*, 35 P.S. §§691.1-691.1001 (“Clean Streams Law”); the Pennsylvania Sewage Facilities Act, Act of January 24, 1966, P.L. 1535, *as amended*, 35 P.S. §§750.1-750.20a (“Sewage Facilities Act”); Section 1917-A of the Administrative Code of 1929, Act of April 9, 1929, P.L. 177, *as amended*, 71 P.S. §510-17 (“Administrative Code”); and the rules and regulations promulgated thereunder (“Regulations”).

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City of Butler, Butler Township, Center Township, Summit Township, the Borough of East Butler, Oakland Township, and Connoquenessing Township shall be referred to collectively as “the Tributary Municipalities.”

Background

K. BASA owns and operates public sewerage facilities under the provisions of Sewerage Permit No. 9817-S-T1 issued by the Sanitary Water Board and Water Management Permit No. 1074404 issued by the Department.

L. BASA’s sewerage facilities are part of a publicly-owned treatment works (“POTW”) that consists of a sewage treatment plant, a sewer system, and sewage pumping stations. The POTW includes the public sewage collection and conveyance systems located within the boundaries of the Tributary Municipalities that connect to BASA’s sewage treatment plant.

M. Section 5 of the Sewage Facilities Act, 35 P.S. §750.5, requires a municipality to maintain an Official Plan for the provision of adequate sewage systems. Official Plans address both the existing and future sewage disposal needs of a municipality. The Official Plans of the Tributary Municipalities provide that the POTW shall supply sewer service for designated portions of the Tributary Municipalities.

N. The POTW is a separate sanitary sewer system that collects, conveys, and treats “sewage,” as defined in Section 1 of the Clean Streams Law, 35 P.S. §691.1. The sewage treatment plant has a permitted monthly average daily design capacity of 10 million gallons per day, and a permitted maximum peak flow capacity of 25 million gallons per day.

O. BASA’s sewage treatment plant discharges treated sewage effluent by authorization of NPDES Permit No. PA0026697 into Connoquenessing Creek, a “water of the Commonwealth,” as that term is defined in Section 1 of the Clean Streams Law, 35 P.S. §691.1.

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Pennsylvania, and the Findings contained in the 2001 Agreement are incorporated herein by reference.

S. On December 31, 2005, BASA informed the Department by letter that it had not completed all of the tasks under the March 20, 2001, Corrective Action Plan, as amended, as required under the 2001 Agreement (“December 31, 2005 Letter”).

T. In the December 31, 2005 Letter, BASA also requested an extension of time until April 30, 2009, to complete all of the tasks set forth in the March 20, 2001, Corrective Action Plan, as well as an additional project funded by a \$7.2 million PENNVEST loan (identified as ME #71317). The PENNVEST funded project, as set forth in Contract 2004-4, executed December 13, 2005, and inclusive of all maps and general specifications regarding Contract 2004-4, is for the reconstruction and rehabilitation of the public sewers within the Deshon service area to address extraneous flow from storm water and groundwater (“Deshon Sewer Rehabilitation Project”).

U. On January 24, 2006, BASA requested by letter that the Department approve 195 equivalent dwelling units (“EDUs”) in new sewer connections to the POTW as provided by the 2001 Agreement.

V In a letter dated February 9, 2006, the Department informed BASA that, because it had not completed all of the tasks under the March 20, 2001, Corrective Action Plan, as amended, BASA was in violation of the 2001 Agreement, and owed stipulated penalties under the 2001 Agreement. The Department also denied BASA’s request for 195 new sewer connections.

W. On April 27, 2006, BASA paid all outstanding stipulated civil penalties owed under the 2001 Agreement.

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AB. As of the date of this Consent Order and Agreement, all of the Tributary Municipalities have begun the process of revising their official plans by submitting a Task Activity Report ("TAR") to the Department, as detailed below:

<u>TRIBUTARY MUNICIPALITY</u>	<u>DATE TAR SUBMITTED</u>	<u>DATE TAR APPROVED</u>
Butler Township	May 18, 2006	June 28, 2006
City of Butler	June 2, 2006	June 28, 2006
Summit Township	June 19, 2006	June 28, 2006
Borough of East Butler	June 21, 2006	August 2, 2006
Center Township	June 21, 2006	August 2, 2006
Connoquenessing Township	July 10, 2006	July 25, 2006
Oakland Township	July 26, 2006	July 31, 2006

Violations

AC. BASA's failure to comply with the 2001 Agreement violates Sections 5 and 610 of the Clean Streams Law, 35 P.S. §§691.5 and 691.610.

AD. BASA's failure to submit an application to renew its NPDES Permit within 180 days prior to the expiration of its existing NPDES Permit constitutes a violation of 25 Pa. Code §92.1.

AE. BASA's past and continuing unpermitted discharges from the Sanitary Sewer Overflow Structures constitute separate violations of Sections 201, 202, 401, and 402 of the Clean Streams Law, 35 P.S. §§691.201, 691.202, 691.401, and 691.402.

AF. The violations set forth in Paragraphs AC-AE, above, constitute unlawful conduct under Section 611 of the Clean Streams Law, 35 P.S. §691.611; a statutory nuisance under Sections

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- i. Within **45 days** of the date of this Consent Order and Agreement, each Tributary Municipality shall submit a draft Official Plan revision Special Study to its respective municipal planning agency, the Butler County Planning Commission, and BASA to solicit comments on each Tributary Municipality's projections of future sewage needs;
 - ii. Within **105 days** of the date of this Consent Order and Agreement, each Tributary Municipality shall consider the comments of its respective municipal planning agency, the Butler County Planning Commission, and BASA, and revise its draft Official Plan revision Special Study, as necessary; and
 - iii. Within **150 days** of the date of this Consent Order and Agreement, each Tributary Municipality shall submit to the Department, for approval, an Official Plan revision Special Study that shall include a resolution from the Tributary Municipality evidencing adoption of the Special Study as a revision to the respective municipality's Official Plan.
 - iv. Upon a Tributary Municipality's receipt of written notification that the Department has approved the Tributary Municipality's Official Plan revision Special Study, that Tributary Municipality shall submit a copy of the approved Official Plan revision Special Study to BASA.
- b. BASA, on behalf of the Tributary Municipalities, shall prepare and submit to the Department, for approval, an administratively complete Official Plan Update Revision to the Tributary Municipalities Official Plans that: provides adequate conveyance and treatment for the future sewage needs of each Tributary Municipality, as defined in Paragraph 3.a., above; provides for the elimination of all unpermitted discharges from the POTW; and provides for the closure of the Deshon, General Tire, and Ball Park Sanitary Sewer Overflow Structures, according to the following schedule:
- i. Within **30 days** of BASA's receipt of all Department-approved Official Plan revision Special Studies by all Tributary Municipalities, BASA shall, on behalf of the Tributary Municipalities, prepare and submit to the Department, for approval, a proposed TAR. The TAR shall list the planning elements from 25 Pa. Code §71.21, that are needed to prepare an Official Plan Update Revision that provides adequate conveyance and treatment for the future sewage needs of

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Department updated resolutions evidencing their adoption of the revised Final Update Revision.

- vi. If the Department disapproves the revised Final Update Revision submitted by BASA, BASA, on behalf of the Tributary Municipalities shall, within 90 days of receipt of the Department's written disapproval, submit a new revised Final Update Revision that includes a resolution from each Tributary Municipality evidencing adoption of the new revised Final Update Revision. This process shall continue until such time as the Department has approved an Update Revision for the Tributary Municipalities.
- vii. Upon the Department's written approval of the Final Update Revision, the revised Final Update Revision, or a new revised Final Update Revision, BASA, on behalf of the Tributary Municipalities, shall implement the approved Final Update Revision in accordance with the schedule(s) therein, and the approved implementation schedule(s) shall be incorporated herein by reference, and shall be an obligation under this Consent Order and Agreement and enforceable hereunder.

4. ***BASA's Corrective Actions.*** BASA shall take all actions necessary and shall timely obtain all funding necessary to comply with the Clean Streams Law, the Sewage Facilities Act, all relevant Regulations, the renewal NPDES Permit, Water Quality Management Permits, the Department-approved Final Update Revision, and any other obligations under this Consent Order and Agreement. In doing so, BASA shall also perform the following tasks in accordance with the following schedule:

a. **Deshon Sewer Rehabilitation Project.** BASA shall complete the Deshon Sewer Rehabilitation Project, according to the following schedule:

- i. As of the date of this Consent Order and Agreement, continue sewer rehabilitation work;
- ii. Within 30 months of the date of this Consent Order and Agreement, complete the Deshon Sewer Rehabilitation Project and begin post-construction flow monitoring for a period of six months; and
- iii. Within 38 months of the date of this Consent Order and Agreement, submit a summary of the results of the post construction flow

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BASA and the Tributary Municipalities shall contain all applicable fees, modules, signatures, certifications/reports by applicable licensed professionals, with all necessary laboratory analyses, plans, maps, drawings, specifications, and/or supporting calculations, and any other necessary information/documents of sufficient quality to merit a full technical review by the Department or other applicable agency.

7. **Civil Penalty Settlement.** Upon signing this Consent Order and Agreement, BASA shall pay a civil penalty of \$500. This payment is in settlement of the Department's claim for civil penalties for the violation set forth in Paragraph AD, above, relating to the NPDES application and permit, and covering the dates set forth herein. The payment shall be made by corporate check or the like made payable to Commonwealth of PA Clean Water Fund, and sent to the individual at the address set forth in Paragraph 15 (Correspondence with the Department), below.

8. **Stipulated Civil Penalties.**

a. If BASA fails to comply with the terms or conditions of this Consent Order and Agreement, BASA shall be in violation of this Consent Order and Agreement and, in addition to other applicable remedies, shall pay a civil penalty in the amount determined under the following schedule and for the following violations:

- i. \$200 per day for any unpermitted discharges from the sewerage facilities or POTW other than those set forth in Sub-paragraphs ii.-v., below:
- ii. \$1,000 per month for all unpermitted discharges from the Sanitary Sewer Overflow Structures reported during a monthly monitoring period from the date of this Consent Order and Agreement until July 31, 2012;
- iii. \$100 per parameter for each effluent violation of weekly average loading or concentration reported on the monthly Discharge Monitoring Reports;
- iv. \$150 per parameter for each effluent violation of monthly average

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10. *Prohibition on Connections.*

a. For the purposes of this Consent Order and Agreement, the following definitions shall apply:

- i. The term “connection,” as defined in 25 Pa. Code §94.1, is a connection of a structure that contributes sewage to an organically and/or hydraulically overloaded sewerage system, or one equivalent dwelling unit;
- ii. The term “EDU” is a connection to a sewerage system with the amount of sewage flow equal to 400 gallons per day;
- iii. The term “Economic Development” is defined as local development projects that are specifically created to serve the public good and are supported by at least 50% public funding, or are Special Industrial Areas as specified in Section 305(a) of the Land Recycling and Environmental Remediation Standards Act, 35 P.S. §6026.305(a); and
- iv. The term “all of their obligations under this Consent Order and Agreement” shall mean and include all of the obligations under Paragraphs 3-5 and 8 of this Consent Order and Agreement, including all of the obligations under any document approved by the Department under this Consent Order and Agreement.

Grant of Initial Connections

b. Upon signing this Consent Order and Agreement, BASA shall receive an allocation of 200 EDUs. BASA shall continue to be the approving and issuing agency for new connections to the POTW.

Connection Prohibition

c. Upon issuance of all permits exhausting the initial allocation of 200 EDUs, BASA and the Tributary Municipalities agree to a Prohibition on issuing new connections within the area of the City of Butler, Butler Township, Center Township, Summit Township, the Borough of

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§94.12, and shall include a detailed accounting of all of the activities that BASA has taken over the past year to reduce flow within the POTW.

i. The Department, in its sole discretion, which will include consideration of whether BASA and the Tributary Municipalities are in compliance with all of their obligations under this Consent Order and Agreement, and the activities that BASA has taken during the past year to reduce flow within the POTW, shall determine whether or not to grant any requests for additional connections, and BASA and the Tributary Municipalities agree to waive their right to appeal any such determination.

j. If BASA and the Tributary Municipalities are in violation of any term or condition of this Consent Order and Agreement, the Department may rescind and ban any allocation of new connections granted to BASA. Any such rescission and ban shall not apply to any new connection that has been lawfully issued a building permit by the municipality. If and when BASA and the Tributary Municipalities come back into compliance with all of their obligations under this Consent Order and Agreement, the Department may reinstate the connection allocation upon a written request from BASA, as determined by the Department in its sole discretion, and BASA and the Tributary Municipalities agree to waive their right to appeal any such determination.

11. *Additional Remedies.*

a. If BASA and the Tributary Municipalities fail to comply with any of their obligations under this Consent Order and Agreement, the Department may, in addition to the remedies prescribed herein, pursue any remedy available for a violation of an order of the Department, including an action to enforce this Consent Order and Agreement.

b. The remedies provided by this Paragraph and Paragraph 8 (Stipulated Civil Penalties), above, are cumulative and the exercise of one does not preclude the exercise of any other.

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except upon the Department's prior written approval as documented in a consent order and agreement between the Transferee and the Department concerning the matters addressed under this Consent Order and Agreement.

15. *Correspondence with the Department.* All correspondence with the Department concerning this Consent Order and Agreement shall be addressed to the following with copies sent to all other Parties to this Consent Order and Agreement:

Compliance and Monitoring Manager
Water Management
Department of Environmental Protection
230 Chestnut Street
Meadville, PA 16335-3481
Telephone: 814-332-6942
Fax: 814-332-6121

16. *Correspondence with BASA.*

a. All correspondence with BASA concerning this Consent Order and Agreement shall be addressed to the following, with copies sent to all other Parties to this Consent Order and Agreement:

Authority Manager
Butler Area Sewer Authority
100 Litman Road
Butler, PA 16001

b. All correspondence and service of any notice of any legal correspondence for any purpose under this Consent Order and Agreement, including its enforcement, may be made by mailing a copy by first-class mail to the above address.

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the Department for an extension of time. An increase in the cost of performing the obligations set forth in this Consent Order and Agreement shall not constitute circumstances beyond BASA's and/or a Tributary Municipality's control. BASA and/or a Tributary Municipality's economic inability to comply with any of the obligations of this Consent Order and Agreement shall not be grounds for any extension of time.

b. BASA and/or a Tributary Municipality shall only be entitled to the benefits of this Paragraph if it notifies the Department within five working days by telephone and within ten working days in writing of the date it becomes aware or reasonably should have become aware of the event impeding performance. The written submission shall include all necessary documentation, as well as a notarized affidavit from an authorized individual specifying the reasons for the delay, the expected duration of the delay, and the efforts which have been made and are being made by BASA and/or the Tributary Municipality to mitigate the effects of the event and to minimize the length of the delay. The initial written submission may be supplemented within ten working days of its submission. BASA's and/or a Tributary Municipality's failure to comply with the requirements of this Paragraph specifically, and in a timely fashion, shall render this Paragraph null and of no effect as to the particular incident involved.

c. The Department will decide whether to grant all or part of the extension requested on the basis of all documentation submitted by BASA and/or the Tributary Municipality and other information available to the Department. In any subsequent litigation, BASA and/or the Tributary Municipality shall have the burden of proving that the Department's refusal to grant the requested extension was an abuse of discretion based upon the information then available to it.

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forth in Part A, on page 2 of the final renewal NPDES Permit. This appeal right shall only be available to BASA for 30 days after the WET numeric limit becomes effective under the final renewal NPDES Permit. Except for the WET numeric limit, BASA agrees that it will not appeal any other terms and conditions of the final renewal NPDES Permit, which will be issued by the Department to BASA on the date of this Consent Order and Agreement.

26. *Termination of Consent Order and Agreement.*

a. The obligations, but not the Findings, of this Consent Order and Agreement shall terminate when **EITHER**:

i. BASA has:

- (1) Completed all of its obligations under this Consent Order and Agreement;
- (2) closed the Deshon, General Tire, and Ball Park Sanitary Sewer Overflow Structures;
- (3) had 36 consecutive months without an unpermitted discharge from the Sanitary Sewer Overflow Structures that BASA has not closed; and
- (4) paid any outstanding stipulated civil penalties owed by BASA pursuant to Paragraph 8, above; and

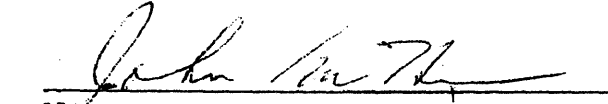
the Tributary Municipalities have fully-complied with Paragraph 3, of this Consent Order and Agreement; **OR**

ii. on July 31, 2015, whichever occurs first.

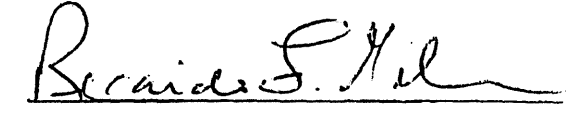
b. BASA's and the Tributary Municipalities' compliance with this Consent Order and Agreement shall be determined by the Department and in any subsequent litigation regarding a determination by the Department that BASA and/or a Tributary Municipality has failed to comply with the terms and conditions of this Consent Order and Agreement, BASA and/or the Tributary Municipality, as applicable, shall have the burden of proving that the Department's


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**FOR THE BUTLER AREA SEWER
AUTHORITY:**


Name
Chairman

**FOR THE COMMONWEALTH OF
PENNSYLVANIA, DEPARTMENT OF
ENVIRONMENTAL PROTECTION:**


Ricardo F. Gilson
Regional Manager
Water Management
Northwest Region


Name
Attorney


Stephanie K. Gallogly
Assistant Counsel

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FOR THE CITY OF BUTLER:

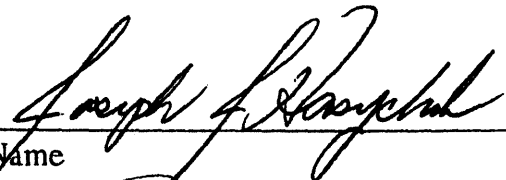
Margaret W. Stock
Name
Mayor

James P. Coulter
Name
Solicitor


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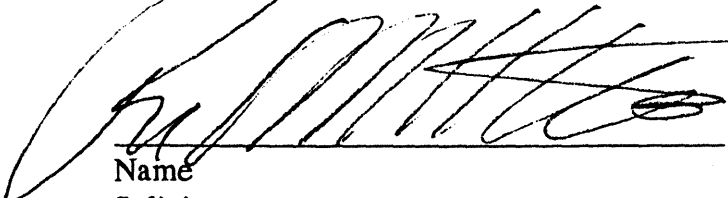
FOR BUTLER TOWNSHIP:



Name
Chairman



Name
Secretary




Name
Solicitor

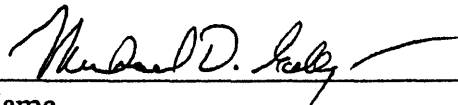
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FOR CENTER TOWNSHIP:



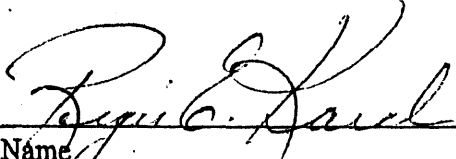
Name *Ronold E Flott*
Chairman



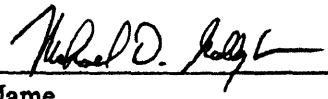
Name
Solicitor

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FOR SUMMIT TOWNSHIP:




Name
Chairman



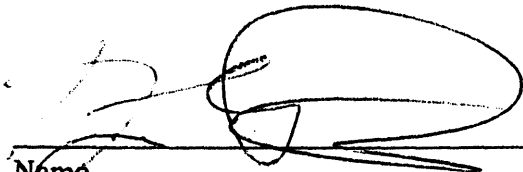
Name
Solicitor

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**FOR THE BOROUGH OF EAST
BUTLER:**

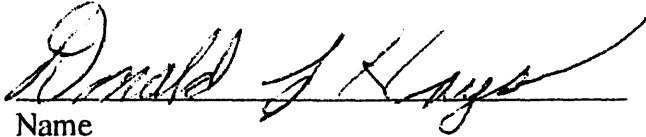


Name
Mayor

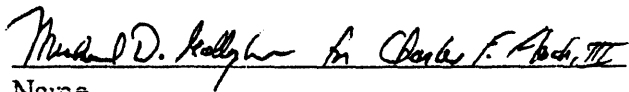


Name
Solicitor

FOR OAKLAND TOWNSHIP:


A handwritten signature in cursive script, reading "Donald J. Hayes", written over a horizontal line.

Name
Chairman

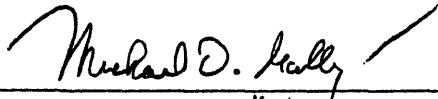
A handwritten signature in cursive script, reading "Michael D. Kelly for Charles F. Abate, III", written over a horizontal line.

Name
Solicitor

FOR CONNOQUEENESSING
TOWNSHIP:



Name *Steven H. Niets*
Chairman



Name *Michael D. Gallegher*
Solicitor

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3800-PM-WSWM0012 Rev. 4/2005
Permit



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

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE REQUIREMENTS FOR PUBLICLY OWNED TREATMENT WORKS (POTWs)

NPDES PERMIT NO: PA0026697

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

Butler Area Sewer Authority

100 Littman Road

Butler, PA 16001-3256

is authorized to discharge from a facility known as **Butler Area STP**, located at **100 Littman Road, Butler, PA 16001-3256, Butler Township, Butler County** to the **Connoquenessing Creek (Outfall 001) and Butchers Run (Outfalls 005, 011-014)** in Watershed **20-C** in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

THIS PERMIT SHALL BECOME EFFECTIVE ON

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form.

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application.

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED _____

ISSUED BY _____
Ricardo F. Gilson

DATE PERMIT AMENDMENT ISSUED _____

TITLE: **Water Management Program Manager
Northwest Regional Office**

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Permit No. PA0026697

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. For Outfall 001, Latitude 40° 50' 21", Longitude 79° 55' 13", River Mile Index 43.73, Stream Code 34025

which receives wastewater from treated domestic sewage and industrial wastewater

- a. The permittee is authorized to discharge during the period from issuance date through expiration date.
- b. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Discharge Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽³⁾ Measurement Frequency	Required Sample Type
	Monthly Average	Average Weekly	Minimum	Monthly Average	Average Weekly	Instantaneous Maximum ⁽²⁾		
Flow (MGD)	XX	XX					continuous	measurement
CBOD5								
(05/01 - 10/31)	1001	1501		12	18	24	daily	24-hr comp
(11/01 - 04/30)	2001	3002		24	36	48	daily	24-hr comp
TSS	2502	3753		30	45	60	daily	24-hr comp
Ammonia Nitrogen								
(05/01 - 10/31)	167			2		4	daily	24-hr comp
(11/01 - 04/30)	500			6		12	daily	24-hr comp
Chronic Whole Effluent Toxicity				1.38TUc			**	24-hr comp
Fecal Coliform*								
(05/01 - 09/30)				200/100ml			daily	grab
(10/01 - 04/30)				2000/100ml			daily	grab

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3800-PM-WSWM0012 Rev. 4/2005
Permit

Permit No. PA0026697

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. For Outfall 001, (continued)

Discharge Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽³⁾ Measurement Frequency	Required Sample Type
	Monthly Average	Average Weekly	Minimum	Monthly Average	Average Weekly	Instantaneous Maximum ⁽²⁾		
Total Residual Chlorine				0.33		1.1	daily	grab
Dissolved Oxygen			5				daily	grab
Phosphorus	167			2		4	daily	24-hr comp
pH			6.0			9.0	daily	grab

XX – Monitor and report on monthly DMRs.

* – Average monthly limits expressed as a geometric mean.

** – Refer to Special Condition #4.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 001-after disinfection

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~~PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS~~

I. For Outfall 005 (STP – Alternative Outfall)*, Latitude 40° 50' 29", Longitude 79° 50' 06", River Mile Index 0.1, Stream Code 35116

which receives wastewater from treated domestic sewage and industrial wastewater

- a. The permittee is authorized to discharge during the period from issuance date through expiration date.
- b. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Discharge Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽³⁾ Measurement Frequency	Required Sample Type
	Monthly Average	Average Weekly	Minimum	Monthly Average	Average Weekly	Instantaneous Maximum ⁽²⁾		
This outfall is for emergency use only. Any discharge from this outfall shall meet the same effluent limitations and monitoring requirements imposed on Outfall 001.								

* – When discharging

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

Outfall 001 monitoring point.

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Permit No. PA0026697

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

- I. For Outfall 011, Latitude 40° 50' 29", Longitude 79° 55' 06", River Mile Index _____, Stream Code _____
 For Outfall 012, Latitude 40° 50' 29", Longitude 79° 55' 06", River Mile Index _____, Stream Code _____
 For Outfall 013, Latitude 40° 50' 27", Longitude 79° 55' 00", River Mile Index _____, Stream Code _____
 For Outfall 014, Latitude 40° 50' 28", Longitude 79° 54' 50", River Mile Index _____, Stream Code _____

which receives wastewater from stormwater runoff from the sewage treatment plant site

- a. The permittee is authorized to discharge during the period from issuance date through expiration date.
- b. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply.

Discharge Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽³⁾ Measurement Frequency	Required Sample Type
	Monthly Average	Average Weekly	Minimum	Monthly Average	Average Weekly	Instantaneous Maximum ⁽²⁾		
These discharges shall consist of stormwater runoff from the sewage treatment plant site only. Refer to Special Condition 6.								

XX – Monitor and report on monthly DMRs.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

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3800-PM-WSWM0012 Rev. 4/2005
Permit

Permit No. PA0026697

PART A. EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS (Con't)

Additional Requirements

- c. The permittee shall provide for effective disinfection of this discharge to control disease-producing organisms during the swimming season (May 1 through September 30) to achieve a fecal coliform concentration not greater than 200/100 ml as a geometric average (mean), and not greater than 1,000/100 ml in more than 10% of the samples tested.
- d. All discharges of floating materials, oil, grease, scum, sheen and substances which produce color, tastes, odors, turbidity or settle to form deposits shall be controlled to levels which will not be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life.
- e. Except as otherwise specified in this permit, the 30-day average percent removal for carbonaceous biochemical oxygen demand and total suspended solids shall not be less than 85 percent.

Footnotes

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by DEP only. Do not report instantaneous maximums on DMRs or supplemental DMRs unless specifically required on those forms to do so.
- (3) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.

Supplemental Information

- (1) The hydraulic design capacity of 10.0 million gallons per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to help determine whether a "hydraulic overload" situation exists, as defined in Title 25 Pa. Code Chapter 94.
- (2) The effluent limitations for this outfall were determined using an effluent discharge rate of 10.0 million gallons per day for Outfall 001.

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II. DEFINITIONS

At Outfall (XXX) means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line (XXX), or where otherwise specified.

Average refers to the use of an arithmetic mean, unless otherwise specified in this permit.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the pollution to surface waters of the Commonwealth. BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Bypass means the intentional diversion of waste streams from any portion of a treatment facility.

Clean Water Act means the Federal Water Pollution Control Act, as amended. (33 U.S.C.A. §§1251 to 1387).

Composite Sample (for all except GC/MS volatile organic analysis) means a combination of individual samples (at least eight for a 24-hour period or four for an 8-hour period) of at least 100 milliliters (mL) each obtained at spaced time intervals during the compositing period. The composite must be flow-proportional; either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval is proportional to the flow rates over the time period used to produce the composite.

Composite Sample (for GC/MS volatile organic analysis) consists of at least four aliquots or grab samples collected during the sampling event (not necessarily flow proportioned). The samples must be combined in the laboratory immediately before analysis and then one analysis is performed.

Daily Average Temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Daily Maximum Discharge Limitation means the highest allowable "daily discharge."

Discharge Monitoring Report (DMR) means the DEP or EPA supplied form(s) for the reporting of self-monitoring results by the permittee.

Estimated Flow means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.

Geometric Mean means the average of a set of n sample results given by the nth root of their product.

Grab Sample means an individual sample of at least 100 mL collected at a randomly selected time over a period not to exceed 15 minutes.

Hazardous Substance means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act.

Immersion Stabilization (i-s) means a calibrated device is immersed in the wastewater until the reading is stabilized.

Industrial User or Indirect Discharger means a non-domestic discharger introducing pollutants to a Publicly Owned Treatment Works (POTW).

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Maximum Any Time or Instantaneous Maximum means the level not to be exceeded at any time in any grab sample.

Measured Flow means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.

Monthly Average Discharge Limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

Municipality means a city, town, borough, county, parish, district, association or other public body created by or pursuant to State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under §1288 of the Clean Water Act.

Publicly Owned Treatment Works (POTW) means a treatment works as defined by §1292. of the Clean Water Act, owned by a municipality. The definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes or other conveyances if they convey wastewater to a POTW providing treatment.

Severe Property Damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

Stormwater means the runoff from precipitation, snow melt runoff, and surface runoff and drainage.

Stormwater Associated With Industrial Activity means the discharge from any conveyance which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing or raw materials storage areas as defined at 40 CFR §122.26(b)(14).

Toxic Pollutant means those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains may, on the basis of information available to DEP cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in these organisms or their offspring.

Weekly Average Discharge Limitation means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week.

III. SELF-MONITORING, REPORTING AND RECORDKEEPING

A. Representative Sampling

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. Records Retention

Except for records of monitoring information required by this permit related to the permittee's sludge use and disposal activities which shall be retained for a period of at least 5 years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for 3 years from the date of the sample measurement, report or application. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

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3. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date and time of sampling or measurements.
- b. The person(s) who performed the sampling or measurements.
- c. The date(s) the analyses were performed.
- d. The person(s) who performed the analyses.
- e. The analytical techniques or methods used; and the associated detection level.
- f. The results of such analyses.

4. Test Procedures

Facilities that test or analyze environmental samples used to demonstrate compliance with this permit shall be in compliance with laboratory accreditation requirements of Act 90 of 2002 (27 Pa. C.S. §§4101-4113), relating to environmental laboratory accreditation. Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those approved under 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in this permit.

5. Quality/Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- a. The permittee, or its designated laboratory, shall participate in the periodic scheduled quality assurance inspections conducted by DEP and EPA.
- b. The permittee, or its designated laboratory, shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136.

B. Reporting of Monitoring Results

1. The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit.
2. Unless instructed otherwise in PART C of this permit, a properly completed DMR must be received by the following address within 28 days after the end of each monthly report period:

Department of Environmental Protection
Water Management Program
230 Chestnut Street
Meadville, PA 16335

Office of Compliance & Enforcement (3WP31)
NPDES Branch
Water Protection Division
US EPA -- Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3. The completed DMR Form shall be signed and certified either by the following applicable person, as defined in 40 CFR 122.22(a), or by that person's duly authorized representative, as defined in 40 CFR §122.22(b):
 - For a corporation - by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.
 - For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
 - For a municipality, state, federal or other public agency - by a principal executive officer or ranking elected official.

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If signed by a person other than the above, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form.

4. If the permittee monitors any pollutant, using analytical methods described in PART A III.A.4. herein, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

C. Reporting Requirements

1. **Planned Changes** - The permittee shall give notice to DEP as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
 - a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR §122.29(b).
 - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in this permit, nor to notification requirements under 40 CFR §122.42(a)(1).
 - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

2. Anticipated Noncompliance

The permittee shall give advance notice to DEP of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements.

3. Unanticipated Noncompliance or Potential Pollution Reporting

- a. The permittee shall report any noncompliance, accident or incidents causing or threatening pollution pursuant to Title 25 Pa. Code §91.33 to DEP by telephone immediately giving the location and nature of the danger and, if reasonably possible to do so, to notify known downstream users of the waters.
- b. The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove any residual substances from the ground and affected waters to the extent required as stated in Title 25 Pa. Code §91.33.
- c. A written submission shall also be provided within 5 days of the time the permittee becomes aware of any noncompliance or incident causing or threatening pollution. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including the exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance.
- d. DEP may waive the written report on a case-by-case basis for reports under paragraph C.3.c. of this section if the oral report was received immediately and no adverse impact has been reported.

4. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.3.a of this section, at the time DMRs are submitted. The reports shall contain the information listed in paragraph C.3.c. of this section.

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PART B

I. MANAGEMENT REQUIREMENTS

A. Compliance Schedules

1. The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit.
2. The permittee shall submit reports of compliance or noncompliance, or progress reports as applicable, for any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline.

B. Permit Modification, Termination, or Revocation and Reissuance

1. This permit may be modified, terminated, or revoked and reissued during its term in accordance with Title 25 Pa. Code Chapter 92.
2. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
3. In the absence of DEP action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions.

C. Duty to Provide Information

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit.
2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit.
3. Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to DEP, it shall promptly submit the correct and complete facts or information.
4. The permittee shall provide the following information in the annual Municipal Wasteload Management Report, required under the provisions of Title 25 Pa. Code Chapter 94.
 - a. A new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging pollutants.
 - b. A substantial change in the volume or character of pollutants being introduced into the POTW by an indirect discharger introducing pollutants into the POTW at the time of issuance of this permit.
 - c. Information on the quality and quantity of the effluent introduced into the POTW by an industrial user or an indirect discharger and the anticipated impact of the change in the quality and quantity of effluent to be discharged from the POTW.
 - d. The identity of the industrial users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimate concentration of each pollutant discharged into the POTW by the industrial user.

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- e. The POTW shall require all industrial users subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act and regulations thereunder.

D. Proper Operation and Maintenance

1. The permittee shall employ operator's certified in compliance the Water and Wastewater Systems Operators Certification Act (63 P.S. §§1001-1015.1).
2. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems that are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit.

E. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge, sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

F. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the reporting and notification requirements of Part A.III.C.4. (Other Noncompliance).
2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:
 - a. A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage."
 - b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance.
 - c. The permittee submitted the necessary notice required in F.4.a. and b. below.
3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in F.2. above.
4. Notice
 - a. Anticipated Bypass – If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least 10 days before the bypass.
 - b. Unanticipated Bypass – The permittee shall submit notice of an unanticipated bypass causing or threatening pollution as required in PART A III.C.3. (Unanticipated Noncompliance or Potential Pollution Reporting) and other bypass as required in C.4. (Other Noncompliance).

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II. PENALTIES AND LIABILITY

A. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative and/or criminal penalties as set forth in 40 CFR §122.41(a)(2).

Any person or municipality who violates any provision of this permit; any rule, regulation or order of DEP; or any condition or limitation of any permit issued pursuant to the Clean Streams Law, is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

B. Falsifying Information

The Clean Water Act provides that any person who does any of the following:

- Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, or
- Knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or noncompliance), shall, upon conviction, be punished by a fine and/or imprisonment as set forth in 18 P.S. §4904 and 40 CFR §122.41(j)(5) and (k)(2).

C. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

III. OTHER RESPONSIBILITIES

A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and Title 25 Pa. Code Chapter 92 and 40 CFR §122.41(i), the permittee shall allow authorized representatives of DEP and EPA, upon the presentation of credentials and other documents as may be required by law:

1. To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and

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4. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Clean Streams Law, any substances or parameters at any location.

B. Transfer of Permits

1. Transfers by modification. Except as provided in paragraph 2 of this section, a permit may be transferred by the permittee to a new owner or operator only if this permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act.
2. Automatic transfers. As an alternative to transfers under paragraph 1 of this section, any NPDES permit may be automatically transferred to a new permittee if:
 - a. The current permittee notifies DEP at least 30 days in advance of the proposed transfer date in paragraph 2.b. of this section;
 - b. The notice includes the appropriate DEP transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; and
 - c. If DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b. of this section.
3. In the event DEP does not approve transfer of this permit, the new owner or controller must submit a new permit application.

C. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.

D. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.

E. Other Laws

The issuance of this permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of state or local law or regulations.

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PART C

I. OTHER REQUIREMENTS

ONE: No storm water from pavements, area ways, roofs, foundation drains or other sources shall be admitted to the sanitary sewers associated with the herein approved discharge.

TWO: The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.

THREE: If, in the opinion of the Department, these works are not so operated or if by reason of change in the character of wastes or increased load upon the works, or changed use or condition of the receiving body of water, or otherwise, the said effluent ceases to be satisfactory or the sewerage facilities shall have created public nuisance, then upon notice by the Department the right herein granted to discharge such effluent shall cease and become null and void unless within the time specified by the Department, the permittee shall adopt such remedial measures as will produce an effluent which, in the opinion of the Department, will be satisfactory for discharge into the said receiving body of water.

FOUR: Collected screenings, slurries, sludges, and other Solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapter 75, and in a manner "equivalent" to the requirements indicated in Chapters 271, 273, 275, 283 and 285 (relating to permits and requirements for landfilling, land application, incineration, and storage of sewage sludge), Federal Regulation 40 CFR 257, Pennsylvania Clean Streams Law, Pennsylvania Solid Waste Management Act of 1980, and the Federal Clean Water Act and its amendments.

The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport and disposal of solid waste materials generated as a result of wastewater treatment.

II. SPECIAL CONDITIONS

1. Other Permits

"Effluent limitations, monitoring requirements, and other standard and special conditions which relate to the discharges of pollutants authorized by this permit and which are contained in Water Quality Management Permit(s):

No. 1074404 issued on January 7, 1977

are superseded by the terms and conditions of this permit, unless specifically noted otherwise herein."

2. Permit Condition For The Operation And Implementation Of A Pretreatment Program

- A. General Requirement - The permittee shall operate, and implement an industrial pretreatment program in accordance with the Federal Clean Water Act, the Pennsylvania Clean Streams Law, and the federal regulations at 40 CFR Section 403. The program shall also be implemented in accordance with the pretreatment program and any modifications thereto submitted by the permittee and approved by the Approval Authority.
- B. Annual Report and Other Requirements - The permittee shall submit an Annual Report by March 31 of each year to DEP and EPA that describes the permittee's pretreatment activities for the previous calendar year. The Annual Report shall include a description of pretreatment activities in all municipalities from which wastewater is received at the permittee's POTW. The submission to DEP shall be incorporated into the permittee's Annual Municipal Wasteload Management Report required by 25 Pa. Code Chapter 94. In addition, the permittee shall meet all of the conditions specified below whether or not they relate to the Annual Report:

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- 1) Control Mechanism Issuance - The Annual Report shall contain a summary of Significant Industrial User (SIU) control mechanism issuance, including a list of issuance and expiration dates for each SIU;
 - 2) Sampling and Inspection - The Annual Report shall contain a summary of the number and type of inspections and samplings of SIUs by the permittee, including a list of all SIUs either not sampled or not inspected, and the reason that the sampling and/or inspection was not conducted;
 - 3) Industrial User Compliance and POTW Enforcement - The Annual Report shall contain a summary of the number and type of violations of pretreatment standards and requirements, including local limits, and the actions taken by the permittee to obtain compliance, including civil penalty assessments and actions for injunctive relief. The report shall state whether each SIU was in significant noncompliance, as that term is defined in 40 CFR Section 403.8(f)(2)(viii);
 - 4) Industrial Listing - The Annual Report shall contain an updated industrial listing showing all current SIUs and the categorical standard, if any, applicable to each. In addition, the report shall contain a summary of any trucked or hauled wastewater accepted at the plant including the source of the wastewater (domestic or industrial), the amount of wastewater received on a monthly basis, any controls imposed on the users, and the discharge point designated by the POTW for acceptance of such wastewater;
 - 5) Summary of POTW Operation - The Annual Report shall contain a summary of any interference, pass-through, or permit violations by the POTW which may be attributed to industrial users, and actions taken to address these events. The summary shall include all sampling and analysis of treatment plant influent, effluent, and sludge for priority pollutants or any other pollutant for which a local limit has been established, except that data required to be submitted as part of the discharge monitoring reports required under Part A of this permit need not be included in the summary;
 - 6) Pretreatment Program Changes - The Annual Report shall contain a summary of any changes to the approved program and the date of submission to the Approval Authority;
 - 7) Monitoring - The permittee shall conduct monitoring at its treatment plant that, at a minimum, includes quarterly influent, effluent, and sludge analysis for all local limit parameters, and an annual priority pollutant scan for influent and sludge.
- C. Notification of Pass-Through or Interference - The permittee shall notify EPA and DEP, in writing, of any instance of pass-through or interference related to an industrial discharge from an IU into the POTW. The notification shall be attached to the discharge monitoring report submitted to EPA and DEP and shall describe the incident, including the date, time, length, cause (including responsible user if known), and the steps taken by the permittee and IU (if identified) to address the incident. A copy of the notification shall also be sent to the EPA at the address provided below.
- D. Changes to Pretreatment Program - DEP and EPA may require the permittee to submit for approval changes to its pretreatment program if any one or more of the following conditions is present:
- 1) The program is not implemented in accordance with 40 CFR Part 403;
 - 2) Problems such as interference, pass-through or sludge contamination develop or continue;
 - 3) Federal, State, or local requirements change;
 - 4) Changes are needed to assure protection of waters of the Commonwealth.

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- E. Procedure For Pretreatment Program Changes - Upon submittal by the permittee, and written notice of approval by the Approval Authority to the permittee of any changes to the permittee's approved pretreatment program, such changes are effective and binding upon the permittee unless the permittee objects within 30 days of receipt of the written notice of approval. Any such objection must be submitted in writing to both the Department and EPA at the addresses shown below.
- F. Correspondence - The Approval Authority shall be EPA at the following address:

Pretreatment Coordinator
NPDES Permits Branch (3WP24)
Office of Permits & Enforcement
Water Protection Division
US EPA -- Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Copies of all correspondence and reports dealing with this program shall be sent to:

Department of Environmental Protection
Northwest Regional Office
Water Management Program
230 Chestnut Street
Meadville, PA 16335

3. Effluent Chlorine Optimization and Minimization

To reduce or eliminate the amount of chlorine discharged into water bodies, the permittee must: (1) implement source reduction activities, (2) improve operation/maintenance practices and, (3) improve/adjust process controls.

The permittee will ensure that applied chlorine dosages, used for disinfection or other purposes, are optimized to the degree necessary such that the total residual chlorine in the discharge does not cause an adverse stream impact. In doing so, the permittee shall consider relevant factors affecting chlorine dosage, such as wastewater characteristics, mixing and contact times, desired result of chlorination, and expected impact on the receiving water body.

If the Department determines or receives documented evidence levels of TRC in the permittee's effluent are causing adverse impacts in the receiving water, the permittee shall institute necessary additional steps to reduce or eliminate such impact.

4. Chronic Whole Effluent Toxicity (Wet) Permit Limit Condition

The WET Limitation of 1.38 TUc in Part A (page 2) will become effective three years after permit issuance unless the testing and TIE/TRE identify and eliminate the sources of toxicity.

A. General Requirements

The permittee shall conduct chronic whole effluent toxicity (WET) tests quarterly in accordance with the appropriate test protocols or guidance described in Section D, Test Conditions and Methods, below. The permittee shall collect discharge samples and perform WET tests to generate chronic survival and reproduction data for the cladoceran, Ceriodaphnia dubia, and survival and growth data for the fathead minnow, Pimephales promelas. These results will be reported as No Observed Effect Concentration (NOEC) and a dose-response curve shall be plotted, if possible. NOEC results will be reported on Discharge Monitoring Reports as Chronic Toxicity Units (TUc).

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B. Test Frequency

1. Chronic WET testing shall be conducted quarterly starting within three months of the permit's effective date and continue until four tests have been completed. If all four chronic tests demonstrate a TUC less than 1.38, the permittee may request that the Department reduce the frequency of the WETT testing necessary under this condition.
2. If any of the quarterly chronic tests exceed 1.38 TUC, the permittee shall conduct a Toxicity Identification Evaluation (TIE) to identify the toxic constituents of the effluent. During the period the permittee is conducting the TIE and the Toxicity Reduction Evaluation (TRE), WET testing will continue quarterly. WET testing will continue during the period the permittee is conducting the TIE and the Toxicity Reduction Evaluation. Once the toxicant(s) or other cause(s) of the WETT failure(s) are identified, confirmed and controlled to acceptable levels through establishment of chemical specific limits or institutional methods, the permittee may submit a request to the Department for modification of the permit condition, documenting the changes instituted to achieve the toxicity reduction. Documentation may include, but is not limited to: the results of TIE/TRE, pretreatment program changes, plant operation and maintenance modifications, design changes, or establishment of and compliance with chemical limits that address the effluent toxicity.

The Department will decide if the toxicity has been properly addressed based upon the permittee's report and completion of four consecutive WET tests with TUC less than 1.38 subsequent to institution of the controls specified in the report.

Toxicity Identification/Reduction Evaluation

If any of the WET tests indicate a TUC greater than 1.38, the permittee shall, within 30 days of the test completion, submit a report of the chronic test results to the Department and begin a Toxicity Identification Evaluation/Toxicity Reduction Evaluation (TIE/TRE). The TIE/TRE evaluates the possible causes of the effluent toxicity; the possible sources of the causative agents; possible control options to reduce or eliminate the effluent toxicity; and implementation of controls.

Within 30 days of submitting the chronic test report, the permittee must submit either a written report on the results of the TIE/TRE or, if the TIE/TRE is not complete, a schedule for completing the TIE/TRE. The schedule must contain specific timeframes for completing major elements of the TIE/TRE.

The TIE/TRE must be conducted in accordance with EPA's guidance in "Methods for Aquatic Identification Evaluations, Phase I (600/3-88/034, September 1988), Phase II (600/3-88/035, February 1989), and Phase III (600/3-88/036, February 1989) or current approved TIE/TRE protocols.

C. Sample Collection

For each chronic testing event, three 24-hour flow proportioned, composite samples shall be collected over a seven day exposure period. The samples shall be collected at a frequency of not greater than every two hours and flow proportioned. The samples must be collected at the NPDES permit sampling point. The permittee shall collect chemical and physical data on the effluent samples specified in this permit.

D. Test Conditions and Methods

The permittee shall follow DEP's "Biomonitoring WETT Data QA/QC Guidelines for Chronic Toxicity Testing with Amendments, March 20, 1995", attached and included in this permit condition, supplemented by Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms, Fourth Edition, October 2002 (EPA/821/R-02/013). If the Department determines that the proper chronic test acceptability criteria are not met or the proper QA/QC conditions were not followed, the permittee must perform a retest within 30 days.

To properly conduct chronic WET tests the laboratory must prepare a series of effluent dilutions that are specific to your discharge. The permittee must inform the WET laboratory of the proper dilution series, which is

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calculated, using a linear regression equation, from and geometric to the Targeted In-stream Waste Concentration (TIWCc) for your discharge. The dilution series must include at least one dilution below the TIWCc. Based upon your calculated TIWCc, your specific dilution series is (100%, 85.2%, 72.6%, 62%, 53%).

E. Chemical Analysis

The chemistry tests shall include pH, conductivity, total alkalinity, total hardness, total residual chlorine, total ammonia (unionized ammonia), dissolved oxygen and temperature. Chemical analyses as described in the EPA Methods (above) shall be performed for each sampling event, including each new batch of dilution water and each testing event.

In addition to the chemical analyses required above, those parameters listed in PART A and PART C of the NPDES permit for the outfall(s) tested will be analyzed concurrently with the WET Test by using the method specified in the NPDES permit or, if not specified, by using EPA methods at 40 CFR Part 136; Standard Methods for the Examination of Water and Wastewater, American Public Health Association; and approved methods cited in 25 PA Code Chapter 16, Water Quality Toxics Management Strategy, Statement of Policy.

F. Chronic Toxicity Test Report Elements

At a minimum, the following must be reported with each chronic WET test:

1. General test description: - origin and age of test organisms, dates and results of reference toxicant tests; light and temperature regimes; other information on test conditions.
2. Completion of Ceriodaphnia dubia and Pimephales promelas coversheets (Forms 3620-FM-WQ0145 Rev. 3/99 and 3620-FM-WQ0146 Rev. 3/99).
3. Description of sample collection procedures and of the sample location.
4. Names of individuals collecting and transporting samples, times and dates of sample collection and analysis, and temperature of sample upon receipt.
5. Description, time and date of sample renewals.
6. All chemical and physical data including method detection levels and observations made on the species. The chronic WET test hardness shall be reported with each test.
7. Copies of raw data sheets and/or bench sheets with data entries and signatures.
8. Dechlorination procedures with test statistical comparisons.
9. All observations or test conditions affecting the test outcome. All type I or type II errors must be explained.
10. The reference toxicant shall be identified and be a commonly used toxicant approved by EPA. Reports of reference toxicant tests shall include all information needed for the proper evaluation of the test. This includes the following: water chemistry parameters of controls and test concentrations; chronic endpoint with appropriate statistical analyses; and control charts (for point estimates, cumulative mean \pm two standard deviations; for NOEC's central tendency \pm one for concentration interval).

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Permit

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G. Submission of test reports

The permittee shall submit copies of all chronic WET test reports to DEP at the addresses listed below within 30 days of the test completion.

Department of Environmental Protection
Water Quality Protection
Northwest Regional Office
230 Chestnut Street
Meadville, PA 16335

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Permit

Permit No. PA0026697

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER QUALITY PROTECTION
A summary of DEP's "Biomonitoring WETT Data QA/QC Guidelines for Chronic Toxicity Testing with
Amendments, March 20, 1995 follows:

SUMMARY OF EFFLUENT TOXICITY TEST CONDITIONS AND TEST ACCEPTABILITY CRITERIA FOR CHRONIC TOXICITY TESTS

1. General Condition:

Effluent concentrations: - Five concentrations and a control. For chlorinated effluents, an additional control (0% effluent) treated with the same concentration of sodium thiosulfate used to dechlorinate the effluent sample will be run. If the initial sample has no chlorine present, start the additional control with no sodium thiosulfate. The DEP shall assign a serial dilution series geometric to the TIWcC to determine the WET test concentrations.
2. Summary of effluent toxicity test conditions and test acceptability criteria for the Ceriodaphnia dubia survival and reproduction test (adapted from EPA/600/4-89/001).
 - a. No. neonates per test chamber: - 1
 - b. No. replicate test chambers per concentration: - 10
 - c. No. neonates per test concentration: - 10
 - d. Test duration: Until 60% of control females have three broods (seven days or less).
 - e. Endpoints: - Survival and reproduction.
 - f. Test acceptability criterion: - 80% or greater survival and an average of 15 or more young per surviving female in the control solutions. At least 60% of the surviving females in controls must have produced their third brood in seven days or less.
 - g. Age of organism: - Less than 30 hrs. and inside an 8 hr. window.
3. Summary of effluent toxicity test conditions and test acceptability criteria for the fathead minnow (Pimephales promelas) survival and growth test (adapted from EPA/600/4-89/001).
 - a. No. of larvae per test chamber: - 10
 - b. No. of replicate test chambers per concentration: - 4
 - c. No. of larvae per test concentration: - 40
 - d. Test duration: - 7 days
 - e. Endpoints: - Survival and growth (weight)
 - f. Test Acceptability: - 80% or greater survival in controls; average dry weight of surviving controls equals or exceeds 0.25 mg.
 - g. Age of organism: - Less than 30 hours, eggs may need to be shipped.

The hardness of the control water and the 100% effluent water shall be similar before the start of the toxicity test.

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5. Whole Effluent Toxicity Testing

The permittee shall submit the results of whole effluent testing with their next NPDES application, according to 40 CFR 122.21(j)(5). The permittee shall obtain the appropriate biomonitoring protocol for testing from the DEP Regional Office.

6. Requirements Applicable to Stormwater Outfalls

A. Prohibition of Non-stormwater Discharges

1. Except as provided in A.2, all discharges to stormwater outfalls (011 thru 014) shall be composed entirely of non-polluting stormwater. A non-polluting stormwater discharge(s) is defined as causing no significant adverse environmental impact.
2. The following non-polluting water discharges may be authorized, provided the discharge is in compliance with D.2.b: discharges from fire fighting activities; fire hydrant flushings, potable water sources including waterline flushings, irrigation drainage, lawn watering, routine external building washdown which does not use detergents or other compounds, pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used, air conditioning condensate, springs, uncontaminated groundwater, and foundation or footing drains where flows are not contaminated with process materials such as solvents.

B. Spills

This permit does not authorize the discharge of any polluting substances resulting from an on-site spill. Such spills shall be controlled through proper implementation of a PPC Plan as stated in Section D below.

- C. This permit does not authorize any discharge (storm water or non-storm water) containing any pollutant that has the potential to cause significant adverse environmental impact or pose a substantial hazard to human health or the environment due to its quantity or concentration.

D. Preparedness, Prevention and Contingency Plans

1. Development of Plan

Operators of facilities shall develop a Preparedness, Prevention and Contingency (PPC) Plan in accordance with 25 Pa. Code § 91.34 and the "Guidelines for the Development and Implementation of Environmental Emergency Response Plans". The PPC Plan shall identify potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges from the facility. In addition, the PPC Plan shall describe the BMPs that are to be used to reduce the pollutants in stormwater discharges at the facility ensuring compliance with the terms and conditions of this permit.

2. Non-stormwater Discharges

- a. The PPC Plan shall contain a certification that the discharge has been tested or evaluated for the presence of non-stormwater discharges. The certification shall include the identification of potential significant sources of non-storm water at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing methods used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Such certification may not be feasible if the facility operating the stormwater discharge does not have access to an outfall,

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manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the PPC Plan shall indicate why the certification was not feasible. A discharger that is unable to provide the certification must notify the Department within 180 days of the effective date of this permit.

- b. Except for flows from fire fighting activities, sources of non-storm water listed in A.2. (authorized non-stormwater discharges) that are combined with stormwater discharges must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge.

3. Comprehensive Site Compliance Evaluations and Record Keeping

Qualified personnel shall conduct site compliance evaluations at least once a year. Such evaluations shall include:

- a. Visual inspection and evaluation of areas contributing to a stormwater discharge for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.
- b. Based on the results of the inspection, the description of potential pollutant sources identified in the PPC plan, and pollution prevention measures and controls identified in the plan shall be revised as appropriate within 15 days of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than 90 days after the inspection.
- c. A report summarizing the scope of the inspection, using the DEP's Annual Inspection Form shall be completed and made available upon request and retained as part of the PPC Plan for at least one year after coverage under this permit terminates.

E. Stormwater Management Best Management Practices(BMPs)

The permittee shall implement at least the following BMPs:

- (1) Manage sludge in accordance with all applicable permit requirements and DEP regulations.
- (2) Store chemicals in secure areas on impervious surfaces away from storm drains.
- (3) Design of future wastewater treatment facilities should incorporate/consider plans to prevent run on and avoid storm water commingling with sanitary wastewater.
- (4) Efficiently use pesticides for weed control; where practicable investigate use of the least toxic pesticides; do not apply during windy conditions.

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7. Sanitary Sewer Overflows

"Unless otherwise authorized under Part B of this permit, any discharge from any point other than a permitted treatment outfall or permitted combined sewer system outfall is prohibited. See e.g. Section 301(b)(1) (B) & (C) of the Clean Water Act; 40 CFR 122.44 & 133.102 (relating to limitations, standards and permit conditions; and secondary treatment). In the event there is a prohibited discharge from a sewer conveyance system, report every such discharge to the Department immediately. On your monthly Discharge Monitoring Report (DMR) in the Remarks block, indicate the date of discharge, action taken and volume of discharge, wherever possible.

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BUTLER AREA SEWER AUTHORITY

100 LITMAN ROAD • BUTLER, PA 16001-3256
(724) 282-1978 • FAX(724) 282-7656

JOHN M. HEIM
CHAIRMAN

WILLIAM M. HULTON JR.
VICE CHAIRMAN

NED H. STOKES, P. E.
SECRETARY

MARGARET N. IARRAPINO
TREASURER

GEORGE E. SHOCKEY
ASSISTANT SECRETARY
AND TREASURER

M. JOHN SCHON, P.E.
MANAGER

PHILIP A. BRUNN, III
ASSISTANT MANAGER

JAMES W. TOMAZICH, P.E.
AUTHORITY ENGINEER

ATS-CHESTER ENGINEERS
CONSULTING ENGINEER

DILLON MC CANDLESS KING
COULTER & GRAHAM L.L.P.
SOLICITOR

BUTLER AREA SEWER AUTHORITY BUTLER COUNTY, PENNSYLVANIA RESOLUTION NO. 09-26-2006

A RESOLUTION OF THE BUTLER AREA SEWER AUTHORITY APPROVING AND AUTHORIZING THE EXECUTION OF A NEW CONSENT ORDER AND AGREEMENT WITH THE COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION.

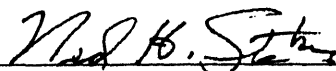
BE IT RESOLVED by the Board of the Butler Area Sewer Authority that:

1. The attached Consent Order and Agreement is hereby approved and adopted as and for a binding and effective agreement of the Butler Area Sewer Authority in accord with its terms; and
2. The appropriate Authority Officials are hereby authorized and directed to execute the attached Consent Order and Agreement in the manner required by law.

RESOLVED, this 26th day of September, 2006 by roll-call vote of the Board of the Butler Area Sewer Authority at a duly advertised public meeting.

CERTIFICATION

I, Ned H. Stokes, hereby certify that I am the duly appointed Secretary of the Butler Area Sewer Authority, and that the above Resolution was adopted at a duly advertised, special public meeting of the Authority held on September 26, 2006, and that a quorum of the Authority Board members was present.



Ned H. Stokes, Secretary

Date Signed: September 26, 2006

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MINUTES

City Council Meeting
City of Butler, Pennsylvania
September 28, 2006

Mayor Stock called the meeting to order at 7:00 PM. Mayor Stock and Council members Kelly, Ufner and Kline were present. Pastor Steve Ogle of the Community Life Church offered an invocation followed by the pledge of allegiance to the flag.

PERSONS TO BE HEARD – None.

Motion by CM Ufner with second from CW Kline to approve the minutes of the regular City Council meeting of August 24th. All voted aye.

MONTHLY DEPARTMENT REPORTS

All department reports as of the end of *August* were approved by individual, unanimous votes. Chief Christy reminded elected officials that they are required to complete training in FEMA's National Incident Management System (NIMS) not later than September 30th. The City Treasurer announced that September 29th is the last day for taxpayers to pay school real estate taxes at the discount rate. He will accept payments found in the drop-box in the City Building on the morning of October 2nd.

COUNCIL REPORTS/ACTIONS

Councilman Kelly

1. Motion to approve distribution of 2006 State Aid to the City's pension funds as follows: Police Pension Fund - \$91,822.14 and to the Firefighters' Pension Fund - \$238,649.76 for a total distribution of \$330,471.90. (A worksheet with formulas for this distribution will be attached to the minutes of this meeting.) Second by CM Ufner. All voted aye.

Councilman Ufner

2. Motion for the approval of City Resolution 2006 – 09 – 28, a resolution of the City of Butler adopting and submitting to the Department of Environmental Protection a revision to the "Official Sewage Facilities Plan" pursuant to a request submitted by the Butler Area Housing Authority of Butler County for the West End Community Center at 312 Beckert Avenue. Second by Mayor Stock. All voted aye.

3. Motion for the approval of City Resolution 2006 – 09 – 28 – A, a resolution of the City of Butler to change the name of the Butler Township-City Joint Municipal Transit Authority to the Butler Transit Authority as requested by the executive director and board of said authority. Second by Mayor Stock. All voted aye.

4. Motion to direct the City Clerk to seek proposals for 2007 street materials contracts (asphalt products, limestone and petroleum products). Second by CM Kelly. All voted aye.

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5. Motion to approve the **Consent Order and Agreement** between the Commonwealth of Pennsylvania Department of Environmental Protection, the **Butler Area Sewer Authority (BASA)** and the municipalities served by the BASA to implement corrective action required to resolve alleged violations of the Clear Stream Law and the Sewage Facilities Act and authorize the Mayor and City Solicitor to execute the same. Second by Mayor Stock. All voted aye.

Councilwoman Kline

6. Motion to direct the City Clerk to seek proposals for landscaping materials as a part of Cityscape Project 102640. Second by CM Ufner. All voted aye.

7. Motion for the approval of City Resolution 2006 – 09 – 28 – B, a resolution of City Council applying for a grant in the amount of \$50,000 from the Pennsylvania Department of Conservation and Natural Resources for a project to be known as Renovation of Neighborhood Parks and Playgrounds – South Hills Playground, Institute Hill Playground and Ritts Park. Second by Mayor Stock. All voted aye.

Mayor Stock

8. Motion for the introduction and first reading of **City Ordinance No. 1591** an ordinance of the City of Butler adopting **Chapter 245, the Vehicle and Traffic Code**, of the Codified Ordinances of the City of Butler including traffic regulations, parking regulations, parking meter rules and regulations, handicapped parking regulations, regulations regarding removal and impoundment of certain vehicles, regulations regarding immobilization or removal of vehicles with outstanding parking violations, procedures for snow and ice emergencies and prescribing penalties for violations thereof. Second by CW Kline. All voted aye.

9. Motion to establish the **Quarry Street parking lot** as a “permit only” parking lot with a permit fee of \$25.00 per month. Second by CM Ufner. All voted aye.

10. Motion to direct the City Clerk to advertise for sale two used police vehicles that are surplus to the City’s needs. Second by CM Kelly. All voted aye.

The City Controller presented bills for payment as follows: from the general fund - \$632,165.80, from the capital projects fund - \$12,516.41, and from the liquid fuels tax fund - \$42,460.29 for a grand total of \$687,142.50. Motion by Mayor Stock with second from CM Ufner to approve payment of bills as presented. All voted aye.

• **ANNOUNCEMENTS**

1. As part of an ongoing education plan, the Department of Environmental Protection would like to remind local residents to properly dispose of hazardous substances such as used oil, antifreeze, gasoline, cleaning supplies, and paint. Never pour them down any part of the storm sewer system and report anyone who does. Anything that flows through the storm sewers flows directly to a waterway without any treatment. By dumping harmful substances down the storm sewers, you are endangering our environment, fish, and our drinking source. If you have any questions of where to dispose of these substances, please call Ms. Sheryl Kelly, the Butler County Recycling and Waste Management Coordinator at (724) 284 – 5305.

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2. 2006 Leaf Disposal – Compost area in Memorial park open on Saturday, Oct. 14th @ 9:00 AM. Regular hours of operation are 8 AM – 2:30 PM, Monday through Friday and 9 AM to 5 PM on weekends and holidays. Streets Department will provide schedule for operation of the City's leaf vacuum. Residents may not burn leaves on any City street and should not burn leaves on their private property without checking with the Fire Chief.
3. Trick or Treat Night is Oct. 31st from 6 to 7 PM.
4. Forum meeting and Council meeting on Oct. 10th and Oct. 12th are cancelled. Next regular Forum meeting is Oct. 24th with next Council meeting on Oct. 26th.

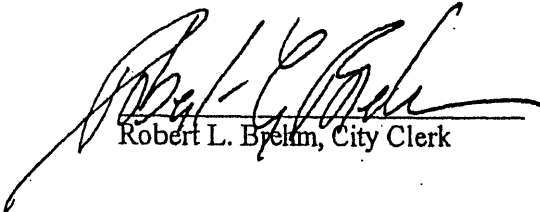
- **ENCLOSURES**

1. Distribution of 2006 State Aid to Pension Funds
2. Resolution 2006-09-28-A (Transit Authority Name Change)

Mayor Stock adjourned the meeting at 7:21 P. M.

SUBMITTED:

APPROVED:


Robert L. Byrum, City Clerk


Margaret D. Stock, Mayor

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<u>Distribution of State Aid & Wage Tax to City Pension Funds</u>				
2006 MMOs	<u>Police</u>	<u>Municipal</u>	<u>Fire</u>	<u>City Totals</u>
	\$ 183,419	\$ -	\$ 476,714	\$ 660,133
Percent of Total MMO	27.79%	0	72.21%	
\$ 330,471.90				
2006 State Aid Received on 25 SEP 06				
Distribution of 2006 State Aid	\$ 91,822.14		\$ 238,649.76	\$ 330,471.90
Date: 28 SEP 06				
Amount Required to Satisfy 2006 MMO	\$ 91,596.86		\$ 238,064.24	\$ 329,661.10
100% of All MMOs Must be Paid Not Later than 31 December				
Partial Distribution of 2006 Proceeds from Special Levy Tax Completed in Dec. 2006	\$ -		\$ -	\$ -
Amount Required to Satisfy 2006 MMO	\$ 91,596.86	\$ -	\$ 238,064.24	\$ 329,661.10
2006 Wage Tax Used for Matching Funds, Non-vested Firefighters				
Total Distribution of 2006 Wage Tax Completed in 2006	\$ -		\$ -	\$ -
Final Distribution of 2006 Wage Tax Completed in 2007	\$ -		\$ -	\$ -
Date of Disbursement:				
Total Distribution of State Aid and Proceeds from 2006 Wage Tax	\$ 91,822.14	\$ -	\$ 238,649.76	\$ 330,471.90
Notes				
1. Beginning 1 JAN 01, City required by CBA to match contributions by non-vested Firefighters.				
2. Contribution to Police plan includes \$17K for survivor's assistance in accordance with CBA.				
3. Beginning with tax year 2002, proceeds of Special Levy tax distributed in following year (i. e., 2002 proceeds distributed in 2003, 2003 proceeds distributed in 2004, etc.)				
4. Total proceeds of Special Levy Tax for Tax Year 2006	\$ -			
Distribution completed in 2006	\$ -			
Remaining distribution required in 2007	\$ -			
Summary of Minimum Municipal Obligation (MMO)				
MMO	Police	Municipal	Fire	City Total
1993	\$ 367,084	\$ 178,562	\$ 263,159	\$ 808,805
1994	375,457	182,425	270,260	828,142
1995	329,907	130,550	157,051	617,508
1996	352,759	153,531	211,599	717,889
1997	226,672	87,366	48,318	362,356
1998	210,937	57,577	0	268,514
1999	188,603	67,011	0	255,614
2000	162,939	41,221	0	204,160
2001	166,057	46,784	0	212,841
2002	165,551	0	89,093	254,644
2003	175,126	0	104,767	279,893
2004	186,517	0	335,276	521,793
2005	188,210	-	352,740	540,950
2006	183,419		476,714	660,133
2007	184,654	-	475,513	660,167
Totals	\$ 3,463,892	\$ 945,027	\$ 2,784,490	\$ 7,193,409

City of Butler, Pennsylvania
Resolution No. 2006 - 09 - 28 - A

A RESOLUTION OF THE CITY OF BUTLER, made this 28th day of September, 2006.

WITNESSETH:

WHEREAS, the Butler Township-City Joint Municipal Transit Authority was formed by the Township of Butler and the City of Butler in order to provide fixed-route bus services within the municipal boundaries of the City of Butler and the Township of Butler; and

WHEREAS, the scope of services provided by the Butler Township-City Joint Municipal Transit Authority has expanded; and

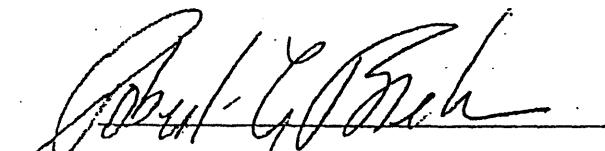
WHEREAS, the County of Butler has designated the Butler Township-City Joint Municipal Transit Authority as the municipality responsible for the providing of transportation services within the geographic boundaries of the County of Butler; and

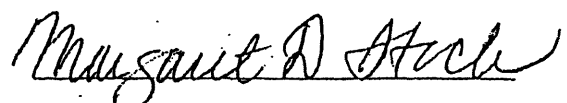
WHEREAS, it is believed that the current name of the Authority is too restrictive and fails to acknowledge the scope of services currently provided and which may be provided in the future.

NOW THEREFORE, the City Council of the City of Butler does hereby adopt the amendment of the name of the Butler Township-City Joint Municipal Transit Authority to the Butler Transit Authority.

Duly presented and adopted at a regular meeting of the City Council of the City of Butler, held on the 28th day of September 2006.

ATTEST:


Robert L. Brehm, City Clerk

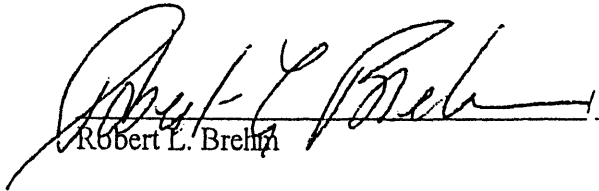

Margaret D. Stock, Mayor

SEAL

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I, Robert L. Brehm, City Clerk of the City of Butler, Pennsylvania, hereby certify that the foregoing is a true copy of Resolution No. 2006 - 09 - 28 - A adopted by the City Council of the City of Butler, in lawful session assembled, on September 28, 2006.

SEAL


Robert L. Brehm

9-28-06
(Date)

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RESOLUTION No. 06-24

RESOLVED, this 2nd day of October, 2006, that the Board of Commissioners of Butler Township, enter into and execute the Consent Order and Agreement between the Commonwealth of Pennsylvania, Department of Environmental Protection, the Butler Area Sewer Authority, Butler Township, and the municipal signators to the Consent Order and Agreement.

The Consent Order and Agreement shall be executed by the President of the Board, Joseph J. Hasychak, and attested to by the Secretary of Butler Township, Donna Donaldson.

Resolved this 2nd day of October 2006.

ATTESTED:

THE TOWNSHIP OF BUTLER

Donna Donaldson
Secretary

by: Joseph J. Hasychak
Commissioner

by: Shirley G. Prozman
Commissioner

by: Joseph B. Cavalcero
Commissioner

by: Donna M. Dwyer
Commissioner

by: [Signature]
Commissioner

Amended Appendix A-22-b

Z:\Clients\CenterTwp\Resolution (BASA) 10.04.06.doc

CENTER TOWNSHIP BOARD OF SUPERVISORS

RESOLUTION 2006 - 06-10-06

WHEREAS, Center Township is a municipality which is served in part by the sanitary sewage treatment facilities of the Butler Area Sewer Authority ("BASA"); and

WHEREAS, a dispute has arisen between DEP and BASA as to BASA's compliance with a 2001 Agreement for the remediation of sanitary sewer overflows into the Connoquenessing Creek watershed resulting in a DEP ban upon new tap ins to the BASA system; and

WHEREAS, DEP has, with input from BASA and the municipalities served by BASA, prepared a Consent Order and Decree, which said Order and Decree requires, among other matters, Center Township, as well as the other municipalities served by BASA, to undertake and timely complete a Official Plan revision special study, to timely review the Official Plan study prepared by BASA, to be subject to certain limits upon the allocation of new tap ins, and be subject to penalties for the violation thereof; and

WHEREAS, in consideration of the common good and the health, safety and welfare of the residents of Center Township, including without limitation, the promoting the preservation of natural resources as well as the avoidance of costly litigation, the Board of Supervisors of Center Township have determined to enter into the Consent Order.

BE IT RESOLVED, THEREFORE, as follows:

1. The Board of Supervisors of Center Township, Butler County do hereby enter into the Consent Order and Agreement of 2006, as transmitted to the Township Solicitor by letter of the Office of Chief Counsel dated September 8, 2006, with the caption of:

**Butler Area Sewer Authority, City of Butler, Butler Township,
Connoquenessing Township, Summit Township, Borough of
East Butler, Oakland Township, and Center Township Butler
County, Pennsylvania**

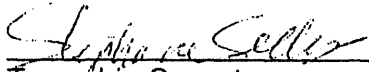
Amended Appendix A-22-b

2. The Chairman of the Board of Supervisors and the Township Solicitor are authorized and directed to sign the aforesaid Agreement and provide DEP with the signature page and a certified copy of this Resolution.

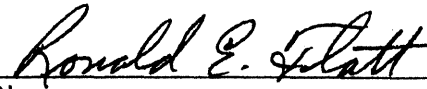
SO RESOLVED this 11th day of October, 2006.

ATTEST:


CENTER TOWNSHIP
BOARD OF SUPERVISORS



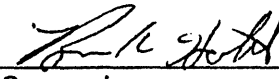
Township Secretary

BY: 

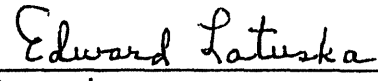
Chairman

BY: 

Vice Chairman

BY: 

Supervisor

BY: 

Supervisor

BY: 

Supervisor

(TOWNSHIP SEAL)

I, Stephanie Sellers, Secretary, Center Township Board of Supervisors, hereby certify that the foregoing is a true copy of the Township Resolution # 06-10-06, adopted, October 4, 2006.

Municipal Address:

419 Sunset Drive
Butler, PA 16001

Telephone No.: (724) 282-7805

Seal of Governing Body

Amended Appendix A-22-b

MDG:tmz Z:\Clients NEWSummit TwplResolution (BASA) 09.20.06.doc

SUMMIT TOWNSHIP BOARD OF SUPERVISORS

RESOLUTION 2006 - 241

WHEREAS, Summit Township is a municipality which is served in part by the sanitary sewage treatment facilities of the Butler Area Sewer Authority ("BASA"); and

WHEREAS, a dispute has arisen between DEP and BASA as to BASA's compliance with a 2001 Agreement for the remediation of sanitary sewer overflows into the Connoquenessing Creek watershed resulting in a DEP ban upon new tap ins to the BASA system; and

WHEREAS, DEP has, with input from BASA and the municipalities served by BASA, prepared a Consent Order and Decree, which said Order and Decree requires, among other matters, Summit Township, as well as the other municipalities served by BASA, to undertake and timely complete a Official Plan revision special study, to timely review the Official Plan study prepared by BASA, to be subject to certain limits upon the allocation of new tap ins, and be subject to penalties for the violation thereof; and

WHEREAS, in consideration of the common good and the health, safety and welfare of the residents of Summit Township, including without limitation, the promoting the preservation of natural resources as well as the avoidance of costly litigation, the Board of Supervisors of Summit Township have determined to enter into the Consent Order.

BE IT RESOLVED, THEREFORE, as follows:

1. The Board of Supervisors of Summit Township, Butler County do hereby enter into the Consent Order and Agreement of 2006, as transmitted to the Township Solicitor by letter of the Office of Chief Counsel dated September 8, 2006, with the caption of:

**Butler Area Sewer Authority, City of Butler, Butler Township,
Center Township, Summit Township, Borough of East Butler,
Oakland Township, and Connoquenessing Township Butler
County, Pennsylvania**

Amended Appendix A-22-b

2. The Chairman of the Board of Supervisors and the Township Solicitor are authorized and directed to sign the aforesaid Agreement and provide DEP with the signature page and a certified copy of this Resolution.

SO RESOLVED this 20th day of September, 2006.

ATTEST:

SUMMIT TOWNSHIP
BOARD OF SUPERVISORS

Rodney E Scott
Township Secretary

BY: Dennis E. Paul
Chairman

BY: Rodney E Scott
Vice Chairman

(TOWNSHIP SEAL)

BY: James W. Calk
Supervisor

I, Rodney E Scott, Secretary, Summit Township Board of Supervisors, hereby certify that the foregoing is a true copy of the Township Resolution # 24, adopted, September 20, 2006.

Municipal Address:

502 Bonniebrook Road
Butler, PA 16002


Seal of Governing Body

Telephone No.: (724) 285-1168

ATTESTATION

The undersigned, the Secretary of East Butler Borough hereby certifies that at the regular Borough Council meeting on October 2, 2006, Council unanimously passed a resolution approving the Consent Agreement between the Commonwealth of Pennsylvania Department of Environmental Protection and various municipalities relative to the Butler Area Sewer Authority and authorized the mayor and solicitor to sign on behalf of the Borough. A true and correct copy of said Resolution is attached hereto.

Attested to this 6th day of October, 2006


Lois Fennell
East Butler Borough Secretary.

RESOLUTION

Be it resolved this 2nd day of October, 2006 that East Butler Borough enter into a Consent Order and Agreement between the Commonwealth of Pennsylvania Department of Environmental Protection, the Butler Area Sewer Authority and other tributary municipalities and that Richard Day, Mayor, and Gwilym A. Price, III, Solicitor be authorized to sign said Consent Order and Agreement on behalf of East Butler Borough.

Amended Appendix A-22-b

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OAKLAND TOWNSHIP BOARD OF SUPERVISORS

RESOLUTION 2006 - 04

WHEREAS, Oakland Township is a municipality which is served in part by the sanitary sewage treatment facilities of the Butler Area Sewer Authority ("BASA"); and

WHEREAS, a dispute has arisen between DEP and BASA as to BASA's compliance with a 2001 Agreement for the remediation of sanitary sewer overflows into the Connoquenessing Creek watershed resulting in a DEP ban upon new tap ins to the BASA system; and

WHEREAS, DEP has, with input from BASA and the municipalities served by BASA, prepared a Consent Order and Decree, which said Order and Decree requires, among other matters, Oakland Township, as well as the other municipalities served by BASA, to undertake and timely complete a Official Plan revision special study, to timely review the Official Plan study prepared by BASA, to be subject to certain limits upon the allocation of new tap ins, and be subject to penalties for the violation thereof; and

WHEREAS, in consideration of the common good and the health, safety and welfare of the residents of Oakland Township, including without limitation, promoting the preservation of natural resources as well as the avoidance of costly litigation, the Board of Supervisors of Oakland Township have determined to enter into the Consent Order.

BE IT RESOLVED, THEREFORE, as follows:

1. The Board of Supervisors of Oakland Township, Butler County do hereby enter into the Consent Order and Agreement of 2006, as transmitted to the Township Solicitor by letter of the Office of Chief Counsel dated September 8, 2006, with the caption of:

**Butler Area Sewer Authority, City of Butler, Butler Township,
Center Township, Summit Township, Borough of East Butler,
Oakland Township, and Connoquenessing Township Butler
County, Pennsylvania**

Amended Appendix A-22-b

2. The Chairman of the Board of Supervisors and the Township Solicitor are authorized and directed to sign the aforesaid Agreement and provide DEP with the signature page and a certified copy of this Resolution.

SO RESOLVED this 3rd day of October, 2006.

ATTEST:

OAKLAND TOWNSHIP
BOARD OF SUPERVISORS

Nadine Neff
Township Secretary

BY: Donald J. Hayes
Chairman

BY: Norman E. Summerville
Vice Chairman

(TOWNSHIP SEAL)

BY: Regis V. Thomas
Supervisor

I, Nadine Neff, Secretary, Oakland Township Board of Supervisors, hereby certify that the foregoing is a true copy of the Township Resolution # 2006-04, adopted, October 3, 2006.

Municipal Address:

565 Chicora Road
Butler, PA 16001

Seal of Governing Body

Telephone No.: (724) 287-8067

Amended Appendix A-22-b

Z:\Clients\ConnoqTwp\Resolution (BASA) 09.26.06.doc

CONNOQUENESSING TOWNSHIP BOARD OF SUPERVISORS

RESOLUTION 2006 - 105

WHEREAS, Connoquenessing Township is a municipality which is served in part by the sanitary sewage treatment facilities of the Butler Area Sewer Authority ("BASA"); and

WHEREAS, a dispute has arisen between DEP and BASA as to BASA's compliance with a 2001 Agreement for the remediation of sanitary sewer overflows into the Connoquenessing Creek watershed resulting in a DEP ban upon new tap ins to the BASA system; and

WHEREAS, DEP has, with input from BASA and the municipalities served by BASA, prepared a Consent Order and Decree, which said Order and Decree requires, among other matters, Connoquenessing Township, as well as the other municipalities served by BASA, to undertake and timely complete a Official Plan revision special study, to timely review the Official Plan study prepared by BASA, to be subject to certain limits upon the allocation of new tap ins, and be subject to penalties for the violation thereof; and

WHEREAS, in consideration of the common good and the health, safety and welfare of the residents of Connoquenessing Township, including without limitation, the promoting the preservation of natural resources as well as the avoidance of costly litigation, the Board of Supervisors of Connoquenessing Township have determined to enter into the Consent Order.

BE IT RESOLVED, THEREFORE, as follows:

1. The Board of Supervisors of Connoquenessing Township, Butler County do hereby enter into the Consent Order and Agreement of 2006, as transmitted to the Township Solicitor by letter of the Office of Chief Counsel dated September 8, 2006, with the caption of:

**Butler Area Sewer Authority, City of Butler, Butler Township,
Center Township, Summit Township, Borough of East Butler,
Oakland Township, and Connoquenessing Township Butler
County, Pennsylvania**

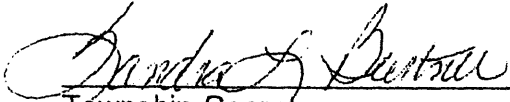
Amended Appendix A-22-b

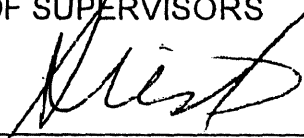
2. The Chairman of the Board of Supervisors and the Township Solicitor are authorized and directed to sign the aforesaid Agreement and provide DEP with the signature page and a certified copy of this Resolution.


SO RESOLVED this 4th day of October, 2006.

ATTEST:

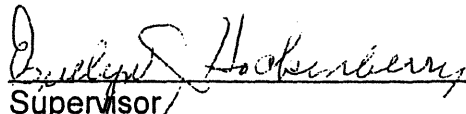
CONNOQUENESSING TOWNSHIP
BOARD OF SUPERVISORS

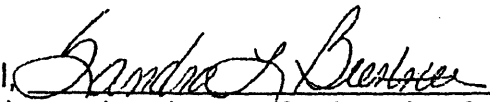

Township Secretary

BY: 
Chairman

BY: 
Vice Chairman

(TOWNSHIP SEAL)

BY: 
Supervisor

 Secretary, Connoquenessing Township Board of Supervisors, hereby certify that the foregoing is a true copy of the Township Resolution # 105, adopted, October 4, 2006.

Municipal Address:

102 Township Road
Renfrew, PA 16053

Telephone No.: (724) 789-7186

Seal of Governing Body

APPENDIX VI
TASK ACTIVITY REPORT

Amended Appendix A-22-b



Pennsylvania Department of Environmental Protection

121 North Mill Street
New Castle, PA 16101

October 4, 2007

724-656-3160

Fax: 724-656-3267

New Castle District Office

Connoquenessing Township
Sandra Burtner
102 Township Drive
Renfrew PA 16053

Re: Act 537 Special Study
Future Needs/BASA
Connoquenessing Township, Butler County

Gentlemen:

The Department of Environmental Protection hereby approves the revised Task Activity Report (TAR) submitted on your behalf by Senate Engineering for the above-captioned planning effort. The TAR was revised to include additional work required to respond to comments from the DEP, authority, and township and county planning agencies and other items to complete the plan. The TAR contains the basic outline for the submission of an Act 537 Special Study of the Butler Area Sewer Authority's current and potential service areas in Connoquenessing Township.

This Special Study, along with those being prepared by the other municipalities which contribute sewage flows to BASA, is an important step in resolving the sewage problems in the Butler area.

The projected cost for completion of this planning effort is now \$4,520.00. Under Act 537, the Department is able to reimburse up to 50% of the municipality's eligible costs of preparing and submitting an Official Sewage Plan Update Revision or Special Study. Once the Special Study has been submitted, reviewed and approved by the Department, an application will be provided for you to request this planning grant.

Should you have any questions on this matter, please do not hesitate to contact me at the above referenced telephone number.

Sincerely,

Tomisa Schneider
Sewage Planning Specialist 2
Water Management

cc: Senate Engineering Company
Butler County Planning Commission
BASA
NWRO through Cynthia Selby

TS:emr



Amended Appendix A-22-b

**TASK/ ACTIVITY REPORT
BASA SPECIAL STUDY
REVISED 8-1-07**

Connoquenessing Township
Municipality

Butler
County

Proposed Planning Area (Attach Map)

Date Completed plan will be submitted to DEP _____

Estimated Cost of Plan

Sheet of

TACK ACTIVITY NUMBER	PRINCIPAL			PRO MGR.			SENIOR ENGINEER			DRAFTSMAN			CLERICAL			SUB TOTAL	TOTAL
	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST		
1. Table of Contents		\$ 100.00	\$0.00		\$90.00	\$0.00	1	\$85.00	\$85.00		\$55.00	\$0.00		\$28.00	\$0.00		\$85.00
2. Plan summary																	
A. Identify Service Area	0	\$ 100.00	\$0.00	0.5	\$90.00	\$45.00	4	\$85.00	\$340.00	4	\$55.00	\$220.00		\$28.00	\$0.00		\$605.00
B. Identify Chosen Alternative	0	\$ 100.00	\$0.00	0	\$90.00	\$0.00	0.5	\$85.00	\$42.50	0	\$55.00	\$0.00		\$28.00	\$0.00		\$42.50
C. Present Estimated Costs and user fees	0	\$ 100.00	\$0.00	0	\$90.00	\$0.00	0	\$85.00	\$0.00	0	\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
D. Identify Mun. Commitments	0	\$ 100.00	\$0.00	0	\$90.00	\$0.00	0	\$85.00	\$0.00	0	\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
E. Provide Schedule to Implement	0	\$ 100.00	\$0.00	0	\$90.00	\$0.00	0	\$85.00	\$0.00	0	\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
3. Municipal Adoption		\$ 100.00	\$0.00	0	\$90.00	\$0.00	3	\$85.00	\$255.00		\$55.00	\$0.00		\$28.00	\$0.00		\$255.00
4. Twp & County Planning Comments		\$ 100.00	\$0.00	4	\$90.00	\$360.00	12	\$85.00	\$1,020.00		\$55.00	\$0.00		\$28.00	\$0.00		\$1,380.00
5. Publication in Local Paper		\$ 100.00	\$0.00	0	\$90.00	\$0.00	1	\$85.00	\$85.00		\$55.00	\$0.00		\$28.00	\$0.00		\$85.00
6. Comments from Public		\$ 100.00	\$0.00	0	\$90.00	\$0.00	3.5	\$85.00	\$297.50		\$55.00	\$0.00		\$28.00	\$0.00		\$297.50
7. Implementation Schedule		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
8. Consistency Determination		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
I Previous Wastewater Planning																	\$0.00
A. Identify Previous Plans																	\$0.00
1. Previously Undertaken		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
2. Done but not Implemented		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
3. Done and Planned to be used		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
4. Approved thru Planning Modules		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
or exempted from planning																	\$0.00
II Mapping Area																	
A. Plan Boundaries		\$ 100.00	\$0.00		\$90.00	\$0.00	2	\$85.00	\$170.00	6	\$55.00	\$330.00		\$28.00	\$0.00		\$500.00
B. Natural water bodies		\$ 100.00	\$0.00		\$90.00	\$0.00	1	\$85.00	\$85.00	2	\$55.00	\$110.00		\$28.00	\$0.00		\$195.00
C. Soil Analysis		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00

Amended Appendix A-22-b

**TASK/ ACTIVITY REPORT
BASA SPECIAL STUDY
REVISED 8-1-07**

Connoquenessing Township
Municipality

Butler
County

Proposed Planning Area (Attach Map)

Date Completed plan will be submitted to DEP _____

Estimated Cost of Plan

Sheet of

TACK ACTIVITY NUMBER	PRINCIPAL			PRO MGR.			SENIOR ENGINEER			DRAFTSMAN			CLERICAL			SUB TOTAL	TOTAL
	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST		
D. Geologic Features		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
E. Topography		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
F. Potable Water Supplies		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
G. Wetlands		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
																	\$0.00
III Existing Sewer Facilities																	\$0.00
A. Existing Sewer Facilities																	\$0.00
1. Mapping of Sewer Infrastructure		\$ 100.00	\$0.00	0	\$90.00	\$0.00	1	\$85.00	\$85.00	3	\$55.00	\$165.00		\$28.00	\$0.00		\$250.00
2. Diagram of Treatment Process		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
3. Existing Facilities Problems		\$ 100.00	\$0.00	1	\$90.00	\$90.00	6	\$85.00	\$510.00		\$55.00	\$0.00		\$28.00	\$0.00		\$600.00
4. Upgrade Descriptions		\$ 100.00	\$0.00	0	\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
5. Municipality's O/M Requirements		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
6. Disposal Areas (Excluding streams)		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
																	\$0.00
B. Sewage Disposal Needs																	\$0.00
1. Existing on lot systems		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
2. Negative Impacts of existing systems Sanitary Survey (By SEO?)		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
3. Soil Analysis		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
4. Contamination of Private water Supplies		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
5. O/M requirements		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
																	\$0.00
C. Sewage Disposal																	\$0.00
1. Existing on lot systems		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
2. Current Septage Disposal		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
3. Current Disposal Method		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
																	\$0.00
IV Future Growth and Development (Regs)	0	\$ 100.00	\$0.00	0	\$90.00	\$0.00	2	\$85.00	\$170.00	1	\$55.00	\$55.00		\$28.00	\$0.00		\$225.00
																	\$0.00
V Identify Alternatives For New Disposal																	\$0.00
A. Conventional Systems																	\$0.00
1. Regional Treatment		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
2. Extension of Existing Sewers		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00

Amended Appendix A-22-b

**TASK/ ACTIVITY REPORT
BASA SPECIAL STUDY
REVISED 8-1-07**

Connoquenessing Township
Municipality

Butler
County

Proposed Planning Area (Attach Map)

Date Completed plan will be submitted to DEP _____

Estimated Cost of Plan

Sheet of

TACK ACTIVITY NUMBER	PRINCIPAL			PRO MGR.			SENIOR ENGINEER			DRAFTSMAN			CLERICAL			SUB TOTAL	TOTAL
	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST		
3. Use of existing facilities		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
4. Repair of existing facilities		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
5. Repair/Replacement of Collection System		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
6. Innovative/ Alternative Methods		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
B. Individual Systems		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
C. Use of small treatment facilities		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
D. Use of community disposal		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
E. Use of holding tanks		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
F. Sewage Management Program		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
G. Non-structural Alternatives		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
H. No-action		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
																	\$0.00
VI Evaluation of Alternatives																	\$0.00
A. Technically feasible alternatives																	\$0.00
1. Previous alternatives		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
2. Waste load planning		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
3. N/A		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
4. Comprehensive plans		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
5. An degradation requirements		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
6. State Water Plans		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
7. Prime Agricultural Land		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
8. Storm water management plans		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
9. Wetland protection		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
10. PNDI		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
11. Historical & Archeological		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
B. Resolution of inconsistence		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
C. Evaluate all alternatives		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
D. Cost estimates		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
E. Funding methods		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
F. Phased implementation		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
G. Organizations and legal authority		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
																	\$0.00
VII Institutional Evaluations																	\$0.00

Amended Appendix A-22-b

**TASK/ ACTIVITY REPORT
BASA SPECIAL STUDY
REVISED 8-1-07**

Connoquenessing Township
Municipality

Butler
County

Proposed Planning Area (Attach Map)

Date Completed plan will be submitted to DEP _____

Estimated Cost of Plan

Sheet of

TACK ACTIVITY NUMBER	PRINCIPAL			PRO MGR.			SENIOR ENGINEER			DRAFTSMAN			CLERICAL			SUB TOTAL	TOTAL
	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST	HRS.	RATE	COST		
A. Analysis existing authority		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
B. Evaluate alternative authority		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
C. Administrative/ legal actions		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
D. Identify proposed authority		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
VIII Implementation Schedule	0	\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
IX Environmental Report		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
X Additional Requirements																	\$0.00
1. Environmental Impact		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
2. Cost Effectiveness		\$ 100.00	\$0.00		\$90.00	\$0.00		\$85.00	\$0.00		\$55.00	\$0.00		\$28.00	\$0.00		\$0.00
TOTAL COST			\$0.00	TOTAL COST		\$495.00	TOTAL COST		\$3,145.00	TOTAL COST		\$880.00	TOTAL COST		\$0.00	\$0.00	\$4,520.00
\$4,520.00																	

William F. Braun
Name of Person Completing Report

Matthew Braun
Signature

Engineer
Title

[Signature]
Municipal Sec. Signature

APPENDIX VII

BASA & DEP REVIEW COMMENTS

Amended Appendix A-22-b



Pennsylvania Department of Environmental Protection

~~121 North Mill Street~~

New Castle, PA 16101

October 4, 2007

724-656-3160

Fax: 724-656-3267

New Castle District Office

Connoquenessing Township Supervisors
102 Township Drive
Renfrew, PA 16053

Gentlemen:

The Department of Environmental Protection has completed a review of Connoquenessing Township's Official Plan revision Special Study. The Special Study was required to be completed by all municipalities tributary to the Butler Area Sewer Authority (BASA). This Special Study will be utilized by BASA in completing an Official Plan Update Revision on behalf of all of the tributary municipalities. The following item needs to be addressed:

1. The plan does still not clearly explain how the growth projections were calculated. The stated growth projections for the next 30 years are 50 EDU's for the area north of Rt. 68 and 130 EDU's for the area south of Rt. 68. It was stated in an e-mail received from the consultant that these numbers are based on recent development trends, pre-application questions for land development proposals, and vacant developable lands. This does not explain why the projections are 50 and 130 EDU's. What types of land development proposals have been discussed and for how many EDU's. For the vacant developable lands what is the potential build out based on zoning, subdivision ordinances, etc. It is stated a future land use map from the preliminary Joint Comprehensive Plan was used as a reference, be sure to include this in the study.

I have kept two copies of the Special Study at this office; please submit two copies of all revisions to be included in the plans. Please contact me if you have any questions on this matter.

Sincerely,

Tomisa Schneider
Sewage Planning Specialist 2
Water Management

cc: Senate Engineering Company
Cynthia Selby
File

TS:emr



Amended Appendix A-22-b



Pennsylvania Department of Environmental Protection

121 North Mill Street
New Castle, PA 16101
May 11, 2007

724-656-3160
Fax: 724-656-3267

New Castle District Office

Connoquenessing Township Supervisors
102 Township Drive
Renfrew, PA 16053

Re: **Official Plan Revision Special Study**

Gentlemen:

The Department of Environmental Protection has completed a review of Connoquenessing Township's Official Plan Revision Special Study. The Special Study was required to be completed by all municipalities tributary to the Butler Area Sewer Authority (BASA). This Special Study will be utilized by BASA in completing an Official Plan Update Revision on behalf of all of the tributary municipalities. The following items need to be addressed:

1. Evidence that the municipality requested, reviewed and considered comments by the municipal planning commission is missing.
2. The proof of public notice with an established 30-day comment period is missing.
3. The map provided does not show any detail; the map should, at minimum, label roads, subdivision plans, commercial developments and show the associated BASA sewage facilities.
4. The Update states there are several small privately owned and maintained collection systems and pump stations within the service area that discharge to BASA. Identify, map and describe all private sewage facilities in the planning area, including all STP's and SFTF's, in accordance with Section III.A.1. Describe any problems with these facilities.
5. The municipalities were asked to describe any problems with existing sewage facilities. The Update states it is presumed BASA will address any problems within the service area. The overload issues with BASA should be briefly discussed within Connoquenessing's update so that residents of the township will understand why the Special Study is being completed. The detailed TAR report shows a cost of \$260.00 was allocated for reporting any existing facilities problems, there are none mentioned.
6. The Plan should break down what Connoquenessing Township will be requesting from BASA in terms of planning periods, for example, 5, 10, 20, and 30 year planning periods.



Amended Appendix A-22-b
BUTLER AREA SEWER AUTHORITY
100 LITMAN ROAD • BUTLER, PA 16001-3256
(724) 282-1978 • FAX(724) 282-7656

JOHN M. HEIM
CHAIRMAN

WILLIAM M. HULTON JR.
VICE CHAIRMAN

NED H. STOKES, P. E.
SECRETARY

MARGARET N. IARRAPINO
TREASURER

GEORGE E. SHOCKEY
ASSISTANT SECRETARY
AND TREASURER

M. JOHN SCHON, P.E.
MANAGER

PHILIP A. BRUNN, III
ASSISTANT MANAGER

JAMES W. TOMAZICH, P.E.
AUTHORITY ENGINEER

ATS-CHESTER ENGINEERS
CONSULTING ENGINEER

DILLON MC CANDLESS KING
COULTER & GRAHAM L.L.P.
SOLICITOR

COPY

January 3, 2007

CERTIFIED MAIL, RETURN RECEIPT
7005-1160-0002-1852-2990

Chairman of Board of Supervisors
Connoquenessing Township
102 Township Drive
Renfrew, PA 16053

Dear Chairman:

**RE: REVIEW COMMENTS ON DRAFT
OFFICIAL PLAN REVISION SPECIAL STUDY**

The Butler Area Sewer Authority (BASA) has reviewed the draft Official Plan Revision Special Study for Connoquenessing Township, dated September 2006, prepared by Senate Engineering Company. The Authority received this draft report on November 16, 2006, in accordance with the provisions of the Consent Order and Agreement (CO&A) dated October 13, 2006. The following review comments are submitted for the Township's consideration:

SPECIFIC COMMENTS

IDENTIFICATION OF PLANNING AREAS

The draft Study identifies only two "Future Service Areas": one of which is already served by BASA and planning to expand and upgrade its toilet facilities (Butler Farm Show), and the other that has already completed design for a grinder pump system that will connect to BASA's system (Winterwood Drive Area). There is no consideration of other existing development or developable property in the immediate vicinity of these two areas, which could all potentially be served by a gravity collection system and a single centralized sewage pump station, as proposed by BASA in the 1970s. BASA continues to get calls from developers regarding sewer service for vacant land in this area. The Armory located on the west side of Kriess Road, across from the Winterwood Drive area, also recently called about expanding their facilities.

There is also a small area in the northeast corner of the Township, south of Route 422 and west of Greenwood Drive, which is currently served by BASA that is not identified or discussed in the draft Study. In addition to the KLTF Realty and Boozer properties that are already sewered, there is neighboring vacant land that could potentially drain by gravity to BASA's Greenwood Drive Pump Station in Butler Township. Butler Township is projecting significant growth in this area, which would necessitate sewer extensions and possibly expansion of the existing pump stations serving this area. Any projected growth in this portion of Connoquenessing Township would need to be considered in the sizing of required facilities to serve the northwest area of Butler Township.

In order to address apparent septic problems in the Winterwood Drive Area, the DEP previously authorized the Township to limit the scope of their studies to this one area. If that is still the Township and DEP's intent, then this draft Study, with revisions as noted herein, could satisfactorily address the needs of that limited area and BASA's planning efforts will proceed on the basis that no other areas of the Township will be served by BASA in the future. However, if the DEP intended for this Special Study to evaluate the Township needs and identify potential future growth areas that could potentially be served by BASA, then this draft Study does not meet that intent.

Page 1, Item 1 - Background:

The date of the 2006 Consent Order and Agreement (CO&A) is October 13, 2006. BASA recommends that a copy of the signed 2006 CO&A should be included as an appendix to the Study.

Page 1, Item 3 - Existing Service Area, Third Paragraph:

BASA's billing records and rate system are based on sewer districts not by municipality. All BASA customers in Connoquenessing Township are included together with the Butler Township customers as part of BASA's Meridian Surcharge District or the Butler-Summit Surcharge District, depending on where they connect to the BASA system. BASA's estimated total number of Township customers is slightly higher than the estimated 130 existing customers cited in the draft Study. This may be attributed to the fact that the draft Study did not identify other areas currently served in the Township and the fact that not all customers in Township are tributary to BASA's Cupps Road Pump Station. How was the estimated number of 130 existing customers determined? This estimate may need to be revised based on other review comments in this letter.

Page 3, Item 5 - Physical Characteristics of the Areas:

Topography, specifically the availability of gravity sewage service, appears to be the only criteria that the Township considered in the Study to identify and define future sewer service areas (other than the Winterwood Drive Area). As this Study notes in several places, gravity sewer service is not readily available for most of the Township. For these reasons, the original 1977 planning studies for the BASA system proposed a gravity sewer system and a centralized pump station to serve the entire Kriess Road area in the eastern portion of the Township. The Township notes that other alternatives are being considered for the identified future sewer areas. However, the sewage flows from these areas would have to be pumped to any of the other available treatment facilities, such as the new Saxonburg Area Authority wastewater treatment plant located to the south in Penn Township or the new Connoquenessing Borough wastewater treatment plant to west along Route 68.

Page 3, Item 6 - Existing Sewage Facilities:

1. All private and non-municipal sewage facilities within and/or adjacent to the Study Area should be discussed in the report and indicated on Exhibit II in manner that will clearly distinguish these private systems from BASA's public sewer system. There is a privately owned and operated sewage collection system (gravity sewers, a duplex sewage pump station and force main) that serves multiple property parcels in the Kriess Road Business Park, which discharges to the BASA sewer system on Buttercup Road. In addition, the Hindman property also has its own private sewage collection system and a sewage pumping station that discharges to the BASA sewer system on Buttercup Road.
2. BASA believes there may also be other private or non-municipal sewage treatment plant(s), community systems and small-flow sewage treatment facilities (SFSTFs) within or nearby the identified study areas. Any other private or non-municipal facilities should also be identified and discussed in the Study, such as the Brandywine Plan, Corks Lane and any others that are adjacent to the study area. These private facilities should also be identified because Connoquenessing Township is ultimately responsible for the private facilities within the municipality under the Pennsylvania Sewage Facilities Act.

Page 3, Item 7 and Appendix I – Population Projections:

The draft Study does not include any historical U. S. Census population data or trends that could be useful in assessing future growth. The SPC population projections in Appendix I indicate a steady declining population from the years 2005 through 2030. However, the SPC's Year 2005 population projection of 3,163 inexplicably projects a significant 30% increase of 727 people from the 2000 U. S. Census population of 2,436. Each municipality should assess the applicability of any such projections to their specific municipality. Because these projections were not used as the basis for estimating future sewage flows, this unexplained increase is not significant.

Exhibit I – BASA Study Area Location:

The map in Exhibit I must be revised to reflect the changes and corrections required to address the comments below for Exhibit II.

Exhibit II – Delineation of Sewerage Study Areas:

- 1.) The draft Special Study does identify potential future growth areas as required by Section 71.21(a)(3)(iii) of the Chapter 71 Regulations, which William Crawford, PA DEP, provided to the municipalities as guidelines for the special studies. However, the USGS base map utilized for Exhibit II is extremely dated and does not accurately reflect the major developments and subdivisions that have occurred in the western portion of the Township. This makes it very difficult to identify and delineate the existing BASA service areas in the Township and the two (2) proposed future service study areas. A variety of development exists in these study areas, some that is already connected to BASA and others that are not connected. Exhibit II does NOT accurately identify all of the parcels and areas of the Township that are currently connected directly to the BASA sewer system or currently served by private sewer systems that are connected to the BASA sewer system.
- 2.) The area south of Cupps Road, opposite of the Hidden Meadows subdivision, is not served by BASA as shown. The existing service area, which should be crosshatched, generally does not continue south of Cupps Road and it does not continue west of the Cupps Road Pump Station.
- 3.) The relatively recent sanitary sewer extension for the Meadow View Town Home subdivision, west of the Hidden Meadows subdivision on Cupps Road, is not shown. These sewers have not yet been GPS located and added to BASA's digital GIS mapping.
- 4.) The existing service area (Area A) should include the Gymnasium Building of the Heasley Complex near the intersection of the Township Line and State Route 68. Currently, the Heasley Gymnasium is legally connected to the BASA system with a private pump station. Other properties in this area that are connected to BASA sewers by sewage grinder pumps include the Abba House on Whitestown Road and the King Cones Restaurant.
- 5.) The existing service area (Area A) should be extended south to Reiber Road where several houses along the municipal boundary have successfully connected to the BASA collectors by gravity sewers.
- 6.) The existing service area (Area A) should include portions of Future Service Area C starting at Buttercup Road and continuing north to Whitestown Road because the Farm Show grounds, the Hindman Complex and AGR are currently connected to the BASA system.
- 7.) The existing service area (Area A) should include the Kriess Road Business Park on the west side of Kriess Road for reasons stated previously. The Park (not BASA) operates and maintains a private pump station and force main that ultimately connects to the BASA gravity system along Buttercup Road.

- 8.) The existing sewer service area (Area A) should also include the small area in the northeast corner of the Township, south of Route 422 and west of Greenwood Drive, where the KLTF Realty and Boozer properties are currently served by BASA, as noted previously.
- 9.) The title block inadvertently has an "A" instead of a "U" in the word "STUDY."

Page 5, Item 8 - Area A and Area B:

It appears that the estimated projected sewage flows for these areas are calculated based upon a factor of 230 gallons per day per Equivalent Dwelling Unit (gpd/EDU). For planning purposes, the 2006 CO&A requires that the flow projections be based upon a factor of 400 gpd/EDU.

Page 5, Item 8 - Area B: Winterwood Drive Area:

As delineated on Exhibit II, Future Service Area B includes the 22 existing homes in the Winterwood Drive Subdivision, as well as several existing homes and some new homes, which are under construction with new septic systems, along the east side of Kriess Road. In addition, Area B also includes a large, vacant tract of land to the north of the Winterwood Drive Plan and south of Buttercup Road. However, the draft Study only projects a future sewage flow for the 22 existing houses in the Winterwood Drive subdivision. If it is the Township's intent that only the Winterwood Drive Subdivision will be served, as BASA believes based on the inter-municipal agreement and the grinder pump system plans approved by BASA, then Exhibit II should be revised to delineate only the Winterwood Drive Subdivision. BASA has previously indicated to the Township that the use of a grinder pump sewer system for the Winterwood Drive Area will effectively "dead-end" public sewer service and restrict further development of adjoining properties.

The Planning Module and the approved plans for the Winterwood Drive grinder pump system are based on serving 22 existing houses and 4 vacant lots. Therefore, the projected future sewage flow for Area B should be based on a total of 26 EDUs (not 22 EDUs) at 400 gpd/EDU (not 230 gpd/EDU), or total flow 10,400 gpd (not 5,000 gpd). This is the flow that was approved in the Planning Module.

BASA and the Township have already executed an inter-municipal service agreement for a grinder pump sewer system to serve the Winterwood Drive Subdivision. A Township consultant, KLH Engineers, has already prepared plans, specifications and cost estimates for the proposed grinder pump system to serve this Winterwood Drive Area (Area B). In addition, it is our understanding that Township SEO has also conducted a sewage needs survey of the existing septic systems in this area. BASA recommends that this supplemental planning information be discussed in the study and included as appendices to this Study.

Page 5, Item 8 - Area C: Farm Show Area and the Airport:

As previously noted, a significant portion of the "Future Service Area C", as delineated on Exhibit II, is currently served by the BASA sewer system, including the Farm Show grounds, the Hindman Complex and AGR. The existing service area includes the area from Buttercup Road continuing north all the way to Whitestown Road and extending west to include the Hindman property. The only unsewered areas in the "Future Service Area C" as delineated on Exhibit II, would be the properties along the east side of Kriess Road and the properties south of the Hindman property to Buttercup Road.

Developers have expressed considerable interest to BASA in developing and extending sewer service to these properties. However, the only future development and sewage flows for this area are the proposed expansion of the Butler Farm Show toilet facilities that is already in the planning stages. No other development is considered or proposed for the actual unsewered areas in the delineated "Future Service Area C." BASA recommends that the draft Study should clearly state that the Township is not projecting any anticipated growth or development within this unsewered area and that public sewer service from BASA will not be available for the unsewered properties in this area for at

least the next 20 years. Alternatively, the entire "Future Service Area C" could be deleted from the Study because the Butler Farm Show is already served by BASA, the increased sewage flow can be addressed through the normal planning module and BASA permitting process, and no public sewer extensions or other BASA improvements are required to handle the proposed flow increase.

Page 5 – Summary:

BASA is responsible for evaluating the main line sewer extensions and/or sewage pumping facilities, if necessary, that may be required to extend public sewer service to the two future service areas identified in this Study. The increased sewage flow from the Butler Farm Show will not require any public sewer improvements or capital costs. As the developer/owner of the property, and the beneficiary of the improvements, the Butler Farm Show will be responsible for the costs of any sewage improvements on their property and any improvements needed to reach the BASA sewers.

The cost estimates for the Winterwood Drive grinder pump system have already been developed by the Township's consultant. As part of the overall Act 537 Plan, BASA will NOT duplicate the preliminary design work and cost estimates that have already been performed. The Township will be required to furnish this information to BASA for incorporation into the final overall Plan. BASA will re-assess the cost effectiveness and estimated user costs to construct the proposed grinder pump system, based upon projected BASA service charges for the system improvement necessary to address the overflow problem.

GENERAL COMMENTS:

DEP-Approved Task Activity Report (TAR):

BASA suggests that the Township include a copy of the DEP-Approved TAR as an appendix to the Study, as other service area municipalities have done. This would help Township residents to understand the limited planning tasks included in the Special Study.

Schedule of Implementation:

The Township should consider including a Schedule of Implementation in Item 1 (Page 1) or as an appendix to this report, as other service area municipalities have done. Refer to the 2006 CO&A for the mandated milestones.

Final Act 537 Plan Expectations:

The preliminary design of the alternatives, the recommended alternative to be implemented and the physical and monetary effects upon BASA's customers will be determined by BASA during the Act 537 planning process. All of the service area municipalities will be provided draft plans for review and comment as part of this planning process and their adoption of the recommended plan. Time schedules mandated by the CO&A will not allow BASA to consult with each municipality and/or their consulting engineers on the design of the alternatives during the preparation of the draft plan or the final design of the recommended alternative.

Municipal Responsibilities for Storm Water Management:

It is important that municipalities recognize the importance of preventing potential infiltration and inflow (I & I) problems when reviewing and approving future land development and subdivision plans and conducting UCC inspections. Municipalities must acknowledge the effects and implications that the removal of I & I from the sanitary sewers will have on municipal storm sewer systems and the municipality's responsibility for storm water management planning. If municipalities do not cooperate with BASA or make any effort to control potential I & I from new development, it will ultimately cost the municipalities and your taxpayers when storm sewers systems must be constructed or enlarged to handle the I & I that will have to be removed in the future.

January 3, 2007

Recent Act 537 Plan Studies Prepared by Connoquenessing Township:

Connoquenessing Township has drafted, but never adopted, at least one Act 537 Plan revision for this Kriess Road area. The Special Study should acknowledge and at least summarize the most recent study that was prepared by Dakota Engineers and why the plan was never implemented. Some of the information in these previous studies may also be useful for the current Special Study.

BASA will wait for an appropriate number of copies of the DEP-approved Special Study from Connoquenessing Township. If you should have any questions regarding our review comments or wish to meet to discuss these comments, please call me at (724) 282-1978.

Very truly yours,

BUTLER AREA SEWER AUTHORITY



M. John Schon, P. E.
Manager

cc: Compliance & Monitoring Manager, PA DEP Meadville
City of Butler, Mayor
East Butler Borough, Mayor
Butler Township, Chairman of the Board of Commissioners
Center Township, Chairman of the Board of Supervisors
Summit Township, Chairman of the Board of Supervisors
Oakland Township, Chairman of the Board of Supervisors
David Johnston, Butler County Planning Commission
~~Mr. William Bram, Senate Engineering Company~~

Amended Appendix A-22-b

William F Braun

From: Schmeider, Tomisa [tschmeider@state.pa.us]
Sent: Wednesday, August 08, 2007 3:05 PM
To: Bill Braun (E-mail)
Subject: Special Study

Bill,

I have reviewed the revised Special Study and will need the following items:

1. An actual letter on the twp planning commission letterhead stating they have reviewed the plan and any comments they may have.
2. More detailed information on the origin of the requested 836 EDU's. Would the whole of Golden L not be connected at the same time? Would Brandywine's 255 EDU's not be connected all at once? Why? The future Rt. 68/Whitestown/Eagle Mill Rds, are those numbers existing homes? What is the other existing residential/commercial? The future Kriess/Rt 68 projections, what are they based on or are they existing?
 - I think it would be less confusing if things were broken down into existing potential customers and growth projections and what the source of the growth projections is. The numbers may be reasonable, but the method of computing those numbers needs to be spelled out better, such as census data, recent development trends, twp knowledge of proposed development, available parcels, etc. There appears to be little, if any, information on potential growth.
3. The plan states the Heilman Complex has a privately owned pump station, but it is not mapped. Is it a business park like Kriess Rd?

Out of curiosity, how did the Farm Show increase their flows? I did not complete a planning module for them nor do I remember seeing an exception being granted?

The TAR still needs to be updated, I will hold the plans here if you could just send me any corrections I will add them to the copies I have. I have a call in to Cyndi to see if we will need an updated adoption resolution and/or publication for the changes. I will let you know as soon as I find out. Feel free to call and discuss.

Tomisa Schmeider
Department of Environmental Protection
Water Quality
121 North Mill Street
New Castle, PA 16101
724-656-3160

Amended Appendix A-22-b

William F Braun

From: Schmeider, Tomisa [tschmeider@state.pa.us]
Sent: Wednesday, September 12, 2007 10:41 AM
To: Bill Braun (E-mail)
Subject: FW: Special Study

Bill,

Any updates or questions about the previous e-mail?

> -----Original Message-----

> From: Schmeider, Tomisa
> Sent: Tuesday, August 28, 2007 1:11 PM
> To: Bill Braun (E-mail)
> Subject: FW: Special Study

>

>

> Several of these issues have not yet been addressed.

>

> 1. Golden L MHP is listed in the 10 year planning period. I have spoken with a representative for the park and they are currently pursuing the BASA option. They should be in the 5 year period.

>

> 2. The projections for the Rt. 68 corridor, north and south, state 50 and 130 EDU's are estimated growth numbers based on recent development trends. What are the trends? Why 50 and 130?

>

> 3. Page 4 states the STP's are sized up to 22,500 gpd. Brandywine is at 38,530 gpd currently. I will make the change in the plan, please make a change in the twp's copies.

>

> 4. Woodland Meadows is included in the numbers for the southern area but is mapped in the northern area.

>

> 5. An updated adoption resolution is missing.

>

> 6. The revised TAR has to be accompanied by a letter outlining why the revision is necessary.

>

> Feel free to call and discuss.

>

> -----Original Message-----

> From: Schmeider, Tomisa
> Sent: Wednesday, August 08, 2007 3:05 PM
> To: Bill Braun (E-mail)
> Subject: Special Study

>

>

> Bill,

>

> I have reviewed the revised Special Study and will need the following items:

>

> 1. An actual letter on the twp planning commission letterhead stating they have reviewed the plan and any comments they may have.

>

> 2. More detailed information on the origin of the requested 836 EDU's. Would the whole of Golden L not be connected at the same time? Would Brandywine's 255 EDU's not be connected all at once? Why? The future Rt. 68/Whitestown/Eagle Mill Rds, are those numbers existing homes? What is the other existing residential/commercial? The future Kriess/Rt 68 projections, what are they based on or are they existing?

>

> - I think it would be less confusing if things were broken down into existing potential customers and growth projections and what the source of the growth projections

Amended Appendix A-22-b

is. The numbers may be reasonable, but the method of computing those numbers needs to be spelled out better, such as census data, recent development trends, twp knowledge of proposed development, available parcels, etc. There appears to be little, if any, information on potential growth.

>

> 3. The plan states the Heilman Complex has a privately owned pump station, but it is not mapped. Is it a business park like Kriess Rd?

>

>

> Out of curiosity, how did the Farm Show increase their flows? I did not complete a planning module for them nor do I remember seeing an exception being granted?

>

> The TAR still needs to be updated, I will hold the plans here if you could just send me any corrections I will add them to the copies I have. I have a call in to Cyndi to see if we will need an updated adoption resolution and/or publication for the changes. I will let you know as soon as I find out. Feel free to call and discuss.

>

> Tomisa Schneider
> Department of Environmental Protection
> Water Quality
> 121 North Mill Street
> New Castle, PA 16101
> 724-656-3160
>

APPENDIX VIII
PUBLIC COMMENTS

Amended Appendix A-22-b
PUBLIC COMMENTS

A draft Act 537 Special Study Report was on display for 30 days at the Connoquenessing Township Municipal Building per a public notification in the local newspaper. No public comments were received on the Special Study Report.

IX

PROOF OF PUBLIC NOTIFICATION

Amended Appendix A-22b
Proof of Publication of Notice in Butler Eagle

Under Act No. 587, Approved May 16, 1929

State of Pennsylvania,
County of Butler.

Lisa Patricelli Of the Eagle Printing Company, Inc., of the County and State aforesaid, being duly sworn, deposes and says that the BUTLER EAGLE, a newspaper of general circulation published at 114 West Diamond Street, City of Butler, County and State aforesaid, was established 1869, since which date the BUTLER EAGLE has been regularly issued in said County, and that the printed notice or publication attached hereto is exactly the same as was printed and published in the regular editions and issues of the said BUTLER EAGLE on the following dates, viz.

and the

18th Day of January A.D. 2007

Affiant further deposes that the Ad Taker is duly authorized by the EAGLE PRINTING COMPANY, a corporation, publisher of said BUTLER EAGLE, a newspaper of general circulation, to verify the foregoing statement under oath, and Affiant is not interested in the subject matter of the aforesaid notice or advertisement, and that all allegations in the foregoing statements as to time, place and character of publication are true.

Lisa Patricelli
Butler Eagle

Sworn to and subscribed before me this 18th
Day of January 2007

[Signature]
Notary Public

My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Ronald A. Vodericher, Notary Public
City Of Butler, Butler County
My Commission Expires July 12, 2008
Member, Pennsylvania Association Of Notaries

Statement of Advertising Costs

Connoquenessing Township
102 Township Drive
Renfrew, PA 16053

TO BUTLER EAGLE, Dr.
For publishing the notice or publication attached
Hereto on the above stated dates \$71.75
Probating same \$2.00
Total \$73.75

Copy of PUBLIC NOTICE SPECIAL SEWAGE STUDY In accordance with the PaDEP's consent order and agreement of October 13, 2006 Connoquenessing Township will make its special sewage study, a preliminary step in the revision of the Butler Area Sewer Authority's Act 537 plan, available for public comment. The document, as initially prepared with appended comments from the Butler County Planning Commission and the Butler Area Sewer Authority will be available for public viewing and written comments for a 30-day period at the Connoquenessing Township Municipal Building, located at 102 Township Drive, Renfrew, PA 16053. The 30-day (written) comment period will be held from January 22, 2007 to February 22, 2007. Monday through Friday 9 AM to 4 PM. The special sewage study may be subject to further revision as a result of the comments. BASA and PaDEP. This sewage study affects only the eastern part of Connoquenessing Township. Sandra L. Burtner Secretary Connoquenessing Township

Publisher's Receipt for Advertising Costs

The EAGLE PRINTING COMPANY, publisher of the BUTLER EAGLE, a newspaper of general circulation, hereby acknowledges receipt of the aforesaid notice and publication costs and certifies that the same have been duly paid.

EAGLE PRINTING CO., a Corporation, Publisher
Of BUTLER EAGLE, a Newspaper of General Circulation.

APPENDIX X

TOWNSHIP RESOLUTION NO. 111

**CONNOQUENESSING TOWNSHIP
BOARD OF SUPERVISORS**

RESOLUTION NO. ///

WHEREAS, Connoquenessing Township, Butler County, Pennsylvania is a municipality which is served in part by the sanitary treatment facilities of Butler Area Sewer Authority ("BASA"); and

WHEREAS, by Resolution No. 105 dated October 4, 2006, Connoquenessing Township entered into a Consent Order and Agreement with DEP and BASA; and

WHEREAS, Paragraph 3.a. of the Consent Order and Agreement states as follows:

- a. Each Tributary Municipality shall prepare and submit to [DEP] for approval, an administratively complete Official Plan revision Special Study that focuses on each municipalities current and future needs ...

WHEREAS, Senate Engineering has been retained by the Township to prepare the Special Study and has presented the Special Study to the Board of Supervisors for adoption as a revision to the Township's Official Plan and submitted same to DEP by Resolution No. 107 in compliance with the October 4, 2006 Agreement; and

WHEREAS, DEP and BASA has requested certain revisions to said Special Study be made by Senate Engineering; and

WHEREAS, Senate Engineering has prepared and presented the Special Study Plan revisions to the Board of Supervisors as a revision to the Township's Official Plan.

Amended Appendix A-22-b

[08.30.07]

THEREFORE, BE IT RESOLVED that the Board of Supervisors of Connoquenessing Township do hereby adopt and submit to DEP for approval as a revision to the official plan of the municipality, the above-referenced revisions to the official plan Special Study.

SO RESOLVED this 5th day of September, 2007.

CONNOQUENESSING TOWNSHIP
BOARD OF SUPERVISORS:

ATTEST:

Sandra L Burtner
Township Secretary

By: [Signature]
Chairman

By: [Signature]
Vice Chairman

(Township Seal)

By: [Signature]
Supervisor

I, Sandy Burtner, Secretary, Connoquenessing Township Board of Supervisors, hereby certify that the foregoing is a true copy of Township Resolution No. 111, adopted on the 5th day of September, 2007.

Municipal Address:

Sandra L Burtner
Sandy Burtner

102 Township Drive
Renfrew, PA 16053

Telephone No.: (724) 789-7186

(Seal of Governing Body)

Dan Slomers

From: Dan Slomers [dslomers@basapa.org]
Sent: Friday, December 07, 2007 12:06 PM
To: John Schon; Jim Tomazich
Cc: 'James R. Bowser'; 'Michael McKee'; 'John M. Maslanik'
Subject: BASA - Act 537 Studies

John and Jim,

As requested, I have clarified the status of all Act 537 Plans with Tomisa at DEP.

Recall that there was confusion as to whether or not the plans that our in our office are indeed the latest plans approved by the DEP.

There, Tomisa of DEP called me and we essentially went over each plan, pretty much page by page to verify if we had the latest revisions or not.

Here is what we determined.....

Butler City – The book that we have in the office has all of the latest revisions (June 18, 2007 on the cover sheet, received September 14, 2007)

Pages 1-7 were revised 6/18/07 which we do have in our booklet

Appendix E was updated which we do have in our booklet.

Butler Township – The book that we in the office has all of the latest revisions (February, 2007 on the cover sheet, received September 12, 2007)

The June 7 revisions that the DEP asked for were minor in nature and have been received by DEP and is in our current booklet.

Appendix D was revised to modify Cedarwood's sewage flows which we now have in our booklet.

Page 13 was updated which we now have in our booklet.

We were missing the updated Butler Township Resolution 07-12. Tomisa faxed me the Resolution and I have included it in our booklet.

Center Township – The book that we in the office has all of the latest revisions (Sept. 2007 on the cover sheet, received November 7, 2007).

Connoquenessing Township – The book that we in the office has all of the latest revisions (October 16, 2007 on the cover sheet, received November 13, 2007).

East Butler Borough – The book that we in the office has all of the latest revisions (August 2007 on the cover sheet, received September 18, 2007).

Many, many pages were updated.

Tomisa and I went over each page and verified that the report that we have in our office indeed is the latest revision.

Summit Township – The book that we in the office has all of the latest revisions (June 11, 2007 on the cover sheet, received September 14, 2007).

There were several changes.

We verified that pages 1 through 7 were revised June 11, 2007, which we do have in our booklet.

We verified that Appendix D was updated, which we do have in our booklet.

Appendix 1 (BASA ACT 537 SPECIAL STUDY map) has a different "save date" plotted in the upper left corner of the map. DEP has a save date of 7-2 and we have a save date of 9/12. I contacted Brian Flaugh of Gateway Engineers to discuss the matter. He will get back to me but he believes that the plans were merely plotted on different dates and that there is no difference between DEP's map and our map, even though the save date is different.

Appendix 1 (BASA EXISTING SANITARY SEWERS, map). DEP has an additional map that we do not have in our plan. Gateway plotted a separate map plotting only our existing sanitary sewers on it to aid in clarity. I contact Brian Flaugh of Gateway Engineers to discuss the matter. He is mailing me an extra copy to be inserted

into the Appendix 1 jacket which houses the BASA ACT 537 SPECIAL STUDY map that we already have.

Oalkand Township - We could not compare these plans as Chester Engineers currently has it in their office as we speak. However, Tomisa pointed out that Cindy reviewed the Oakland plan dated November, 2007 and apparently approved it with no changes being required.

Mike M, John M. and Jim B., I will give a copy of the Butler Township resolution 07-12 to Jim Bowser at the 12/11 Board meeting. Hopefully, I will also have Gateway's map by then also for Summit Township to give to Jim B. for his to copy and return to us.

John S. and Jim. T. I will place all DEP approved studies in the Central File for any one to find if they need to.

Please contact me if you have any questions.

Thank you.

Dan Slomers

No virus found in this outgoing message.

<http://www.avg-antivirus.net/>

Checked by AVG.

Version: 7.5.503 / Virus Database: 269.16.17/1177 - Release Date: 12/7/2007 1:11 PM

Amended Appendix A-22-b
LETTER OF TRANSMITTAL

SENATE ENGINEERING COMPANY

U-PARC, 420 William Pitt Way
 Pittsburgh, PA 15238-1330
 Telephone (412) 826-5454
 Fax No. (412) 826-5458
senate@senateengineering.com

RECEIVED

JAN 22 2009

BASA

30 South Main Street, Suite 202
 Washington, PA 15301
 Telephone (724)228-6446

250 South Jefferson Street
 Kittanning, PA 16201
 Telephone (724) 548-1770

500 Fifth Avenue, Suite 502
 McKeesport, PA 15132
 Telephone (412) 664-7125

DATE: January 20, 2009

TO: Mr. John Schon, P.E.
 BUTLER AREA SEWER AUTHORITY
 100 Litman Road
 Butler, PA 16001-3256

RE: **CONNOQUENESSING TOWNSHIP'S REVIEW COMMENTS
 ON DRAFT OFFICIAL PLAN UPDATE
 SENATE #7779**

WE ARE SENDING YOU THE FOLLOWING ITEMS:

COPIES	DATE	NO.	DESCRIPTION
1			Winterwood Drive Cost Estimate dated July 2008

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit ___ copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit ___ copies for distribution |
| <input type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return ___ corrected prints |
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> _____ | |

REMARKS:

Per your letter dated 11/21/08. If you have any questions, please contact me.

COPY TO:

FROM: William F. Braun, P.E.

KLH
ENGINEERS, INC.

5173 CAMPBELLS RUN ROAD
PITTSBURGH, PA 15205
PHONE: 412-494-0510
FAX: 412-494-0426
INFO@KLHENGINEERS.COM
WWW.KLHENGINEERS.COM

July 28, 2008
Ref. No. 356-02

Mr. William Braun
Senate Engineering
U-PARC
420 William Pitt Way
Pittsburgh. 15238

Dear Mr. Braun:

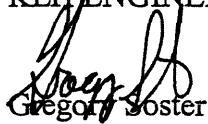
Connoquenessing Township
Winterwood Drive Sanitary Sewer Project
Revised Cost Estimate

Please find included with this letter a revised cost estimate for the Winterwood Drive Sanitary Sewer Project. The Project Costs include engineering, township, and financial costs that the Township will incur during the process. These costs are estimates and could fluctuate as the project progresses.

If you have any questions please feel free to contact our offices.

Sincerely,

KLH ENGINEERS, INC.


Gregory Foster

cc: Connoquenessing Township

Amended Appendix A-22-b

Connoquenessing Township Winterwood Drive Sanitary Sewer Project Project Cost Estimate - July 2008

Construction Cost

Item	Quantity	Cost/Unit	Total Cost
Small Diameter Pressure Sewer	2,703 LF	\$29 / LF	\$78,387
8" PVC Sewer	58 LF	\$78 / LF	\$4,524
Grinder Pump System	20 EA	\$7,000 / EA	\$140,000
Pressure Sewer Service - Long	8 EA	\$1,300 / EA	\$10,400
Pressure Sewer Service - Short	15 EA	\$900 / EA	\$13,500
Concrete Encasement	35 LF	\$75 / LF	\$2,625
Small Dia. F.M. Testing	2,703 LF	\$1 / LF	\$2,703
Select Backfill	550 CY	\$32 / CY	\$17,600
Clean-out Manholes	6 EA	\$2,500 / EA	\$15,000
Manhole with PVC Liner	1 EA	\$5,000 / EA	\$5,000
Air Release Valve w/ Manhole	1 EA	\$3,500 / EA	\$3,500
Tie-in Connection	1 EA	\$2,000 / EA	\$2,000
Township Road Restoration	430 LF	\$60 / LF	\$25,800
Concrete Driveway	28 SY	\$85 / SY	\$2,380
Asphalt Driveway	120 LF	\$55 / LF	\$6,600
Filter Fence/Straw Bale Barrier	2,050 LF	\$3 / LF	\$5,125
Exploratory Excavation	8 EA	\$500 / EA	\$4,000
Mobilization/Demobilization	Lump Sum	\$10,000	\$10,000
Subtotal			\$349,144
10% Contingency			\$34,914
Total Construction Cost			\$384,058

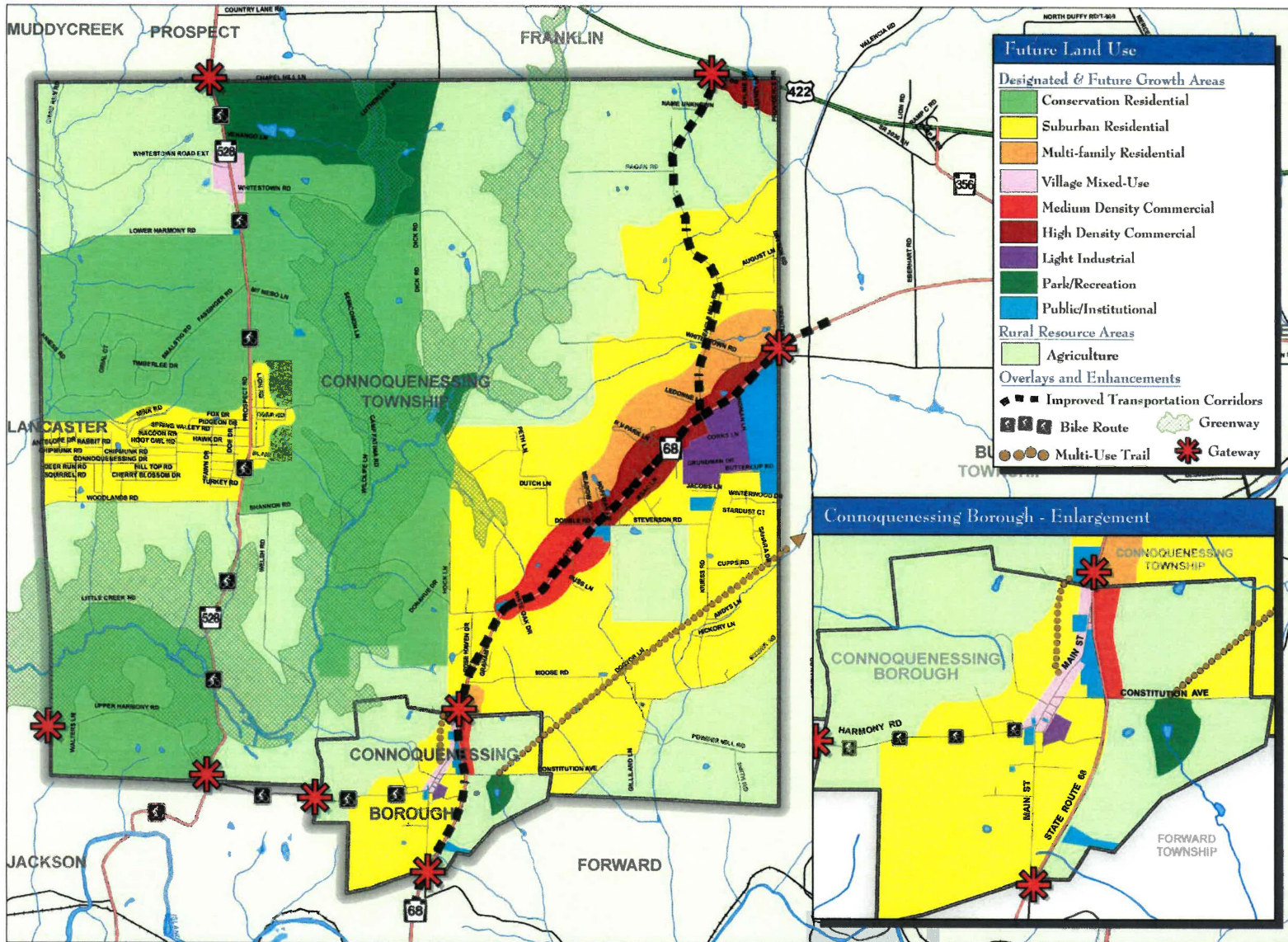
Summary of Costs

Construction Cost	\$384,058
Project Costs (engineering, township, legal)	\$60,500
Total Project Cost	\$444,558
Connoquenessing Tap Fee Revenue (\$9,500/EDU)	\$190,000
Total Outstanding Project Cost	\$254,558

APPENDIX XI

FUTURE LAND USE MAP (PRELIMINARY)

Amended Appendix A-22-b



Connoquenessing Township & Connoquenessing Borough
Butler County, Pennsylvania

Future Land Use
MAP 8
June 2007

Butler County

Legend

- River
- Creek/Stream
- Lake/Reservoir
- US Route
- PA Route
- State Road
- Local Road
- Railroad

PASHEK ASSOCIATES
A PROFESSIONAL CORPORATION

Connoquenessing Township & Connoquenessing Borough
• Joint Comprehensive Plan