



**NORTHAMPTON, BUCKS COUNTY, MUNICIPAL AUTHORITY**

December 6, 2007

**RE: SANITARY SEWER EXTENSION PROJECT  
WASTEWATER CONSTRUCTION ANALYSIS  
PRELIMINARY COST ESTIMATES**

Dear Property Owner:

During the Public Meeting of December 5, 2007, the Northampton, Bucks County, Municipal Authority presented the initial cost estimates for the construction of the Sanitary Sewer Project (Project).

A report prepared by CKS Engineers studied four (4) options and their related economic impact on the Project. The report provides an analysis of the total Project costs. The estimated Project cost for each alternative is summarized on the attached spreadsheet.

Key factors regarding the cost of the Project include:

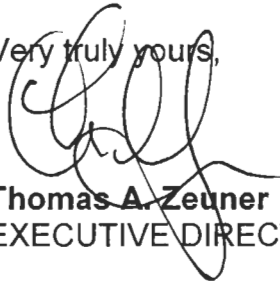
- Sanitary sewer capacity in prior years through Bucks County Water and Sewer Authority was not available due to its lack of capacity at the Philadelphia Treatment Plant. Bucks County Water and Sewer Authority has recently acquired additional capacity.
- The CKS report specifically focused on unsewered areas, while previous studies and analysis were more regionalized in scope.
- The Authority recently adopted a new Engineering Design Standard permitting SDR material for construction. This change provides for a substantial reduction in Project costs.

It should be further noted that the Authority anticipates that its tapping fees will be reduced in the amount of \$2,387.14 per connection based upon the analysis performed by Keystone Alliance Consulting. The Authority anticipates the tapping fee will be reduced to \$482.21 as a result of an appropriate credit to the property owners within the Project.

The CKS report and the memorandum prepared by Keystone Alliance Consulting are available for viewing at the Authority Administrative Offices, Monday through Friday, 8:30 a.m. to 4:30 p.m. Copies are available free of charge at the Authority Offices.

Please be advised that the next Public Meeting of the Authority is scheduled for Wednesday, January 9, 2008 at 7:30 p.m. at the Authority's administration building.

Very truly yours,



**Thomas A. Zeuner**  
EXECUTIVE DIRECTOR

TAZ:cab

Enclosure: Wastewater Construction Analysis Little Neshaminy Creek Basin Area Western End Project 12/4/2007 (1 page)

Cc: NBCMA Board of Directors  
Edward Rudolph, Esquire – NBCMA Solicitor  
Steven Hann, Esquire – Special Counsel  
Christopher Walker, P.E., - PAI  
David Connell, P.E. – CKS  
Stuart Rosenthal, P.E. – Gilmore & Associates

**WASTEWATER CONSTRUCTION ANALYSIS**  
 (LITTLE NESHAMINY CREEK DRAINAGE AREA: WESTERN END PROJECT 12/4/2007)

**ESTIMATED COST OF CONSTRUCTION\*  
 RECEIVING SYSTEM**

ESTIMATED PROPERTY ASSESSMENT  
 (100 ft. Frontage)

BCWSA/PHL	\$17,600.00	
Warminster Township	18,500.00	
Warwick Township	18,200.00	
NBCMA Treatment Plant	21,360.00	

**TAPPING FEES**

	RECEIVING SYSTEM COST**	
	(Estimated)	

BCWSA/PHL	\$ 2,300.00		
Warminster Township	2,725.00		\$ 482.21
Warwick Township	6,700.00		482.21
NBCMA Treatment Plant	N/A		482.21

**PRIVATE COSTS OF INSTALLATION\*\*\*\***  
 (Range of Estimates)  
 permits, installation of lateral, decommission of OLDS  
 \$ 1,000.00 to \$ 4,000.00

**TOTAL ESTIMATED COST OF SYSTEM INSTALLATION**  
 (ASSESSMENT \$) + (TAPPING FEES \$) = TOTAL ESTIMATED COST OF SYSTEM INSTALLATION (Excluding Private Cost)

BCWSA/PHL	\$20,382.21
Warminster Township	21,707.21
Warwick Township	25,382.21
NBCMA Treatment Plant	21,842.21

\* Sewage needs study prepared by CKS Engineers, Inc. November, 2007  
 \*\* Based upon receiving system tapping fee schedule in effect November 2007  
 \*\*\* Keystone Alliance Consulting-Memo 11/8/07. Credit of collection portion of tapping fee \$2,387.14  
 \*\*\*\* Privately contracted by property owner.

