

RESOLUTION NO. 2009-1819

Adopted: March 18, 2009  
Effective Date: May 1, 2009

WASHINGTON SUBURBAN SANITARY COMMISSION

ADOPTION OF A NEW STANDARD PROCEDURE FOR USE OF THE WSSC  
SEWER MODEL IN CONJUNCTION WITH PHASE 1 HYDRAULIC PLANNING  
ANALYSES

WHEREAS, the Washington Suburban Sanitary Commission (Commission) is authorized pursuant to Section 9-101 of Article 29, Annotated Code of Maryland, to adopt regulations governing the use of the WSSC sewer model in conjunction with Phase 1 hydraulic planning analyses; and

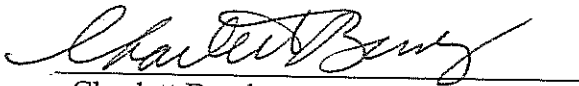
WHEREAS, the Commission has duly considered the matters involved, including comments made and views expressed by the public, and the recommendations of Commission staff.

NOW, THEREFORE BE IT RESOLVED, this 18 day of March, 2009, that the Washington Suburban Sanitary Commission hereby adopts the attached Standard Procedure for Use of the WSSC Sewer Model in Conjunction with Phase 1 Hydraulic Planning Analyses, as attached hereto; and

BE IT FURTHER RESOLVED, that notice of this resolution and actions taken hereunder be published in at least one newspaper published in each county of the Washington Suburban Sanitary District as soon as practicable, but not later than March 30, 2009; and

BE IT FURTHER RESOLVED, that this resolution and attached Standard Procedure for Use of the WSSC Sewer Model in Conjunction with Phase 1 Hydraulic Planning Analyses hereby adopted shall take effect on May 1, 2009.

ATTEST:



Charlett Bundy  
Corporate Secretary

# STANDARD PROCEDURES OF THE WASHINGTON SUBURBAN SANITARY COMMISSION

ORIGINATOR & POSITION	SP NUMBER	APPROVE BY/DATE	EFFECTIVE DATE	PAGE
Craig A. Fricke Planning Group Leader	ENG-09-02	COMMISSION March 18, 2009	May 1, 2009	1 OF 3
<b>SUBJECT: USE OF THE WSSC SEWER MODEL IN CONJUNCTION WITH PHASE 1 HYDRAULIC PLANNING ANALYSES</b>				

**Definitions and Terms:**

See Development Services Process Manual, Effective July 1, 2004.

**Purpose:**

To establish the procedure for use of the WSSC Sewer Model during Phase 1 Hydraulic Planning Analyses (see Development Services Process Manual, Effective July 1, 2004.) As described below, the Sewer Model may be used to assess the potential impact of proposed developments on the affected CIP-size sewer system and determine any required conditions for service to be included in the Letter of Findings by WSSC. This procedure applies to CIP-size sewers and all wastewater pumping stations included in the WSSC Sewer System Model (developed under the Consent Decree, Civil Action No. PJM-04-3679, Messite, 2005). Any evaluation including a wastewater pumping station shall be based on the safe capacity of the station.

The adequacy of local sewers (i.e. non-CIP-size) will continue to be evaluated by the Development Services Group.

**Proposed Development above Projected 2-Year Overflow:**

This section shall apply to all proposed developments connecting into or upstream of CIP-sized trunk sewer stretches or wastewater pumping stations that have projected overflows based on existing dry weather flow (including groundwater infiltration) and rainfall dependent infiltration and inflow from a 2-year design storm specified by WSSC. The applicants for such developments shall be required, as a condition for service, to implement sewer system improvements that eliminate the risk of overflows under a 10-year design storm specified by WSSC and eliminate excessive surcharging under the 2-year storm after addition of the proposed base sanitary flow from the development under review. Consideration and evaluation of alternate solutions including construction of new sewer lines and facilities and/or rehabilitation/reconstruction of existing sewer mains, appurtenances, and facilities may be required. Any new sewers or facilities built shall be sized to handle projected future flow and the 10-year design storm.

In addition, the applicant for development will be required to evaluate the potential impact of any projected surcharging and, in particular, the potential for causing backups into homes or businesses. No surcharging will be allowed in any sewer with existing or potential future service connections.

**All Other Proposed Development:**

All other proposed development projected to generate a net flow of over 100,000 gallons per day (gpd) of base sanitary flow into a CIP-size trunk sewer or wastewater pumping station shall be modeled to determine potential impact on that CIP-size trunk sewer or wastewater pumping station. Modeling conditions shall include the existing sewer system, any proposed improvements under construction, existing dry weather flows (including groundwater infiltration), rainfall dependent infiltration and inflow from a 10-year design storm specified by WSSC, and the proposed base sanitary flow from the development under review.

Under these conditions, there shall be no projected overflows from the sewer system caused or exacerbated by the proposed development. Otherwise, the applicant shall be required, as a condition for service, to implement sewer system improvements that eliminate the risk of overflows under the 10-year storm and eliminate excessive surcharging under a 2-year design storm specified by WSSC. Consideration and evaluation of alternate solutions including construction of new sewer lines and facilities and/or rehabilitation/reconstruction of existing sewer mains, appurtenances, and facilities may be required. Any new sewers or facilities built shall be sized to handle the projected future flow and the 10-year design storm.

In addition, the applicant for development will be required to evaluate the potential impact of any projected surcharging and, in particular, the potential for causing backups into homes or businesses. No surcharging will be allowed in any sewer with existing or potential future service connections.

**Re-Test:**

Proposed developments shall be retested at the time of any Letter of Findings amendment if there is any increase in the projected flow from the development into any off site sewers. Developments may also be retested if any contiguous developments are submitted by the same applicant and the combined base sanitary flow exceeds the 100,000 gpd threshold.

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