



# LAKES REGION SANITARY DISTRICT

25700 West Old Grand Avenue Ingleside, Illinois 60041-8524

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*File*

March 20, 2009

**RECEIVED**

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LAKE COUNTY PUBLIC WORKS

**BOARD OF TRUSTEES**

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**DISTRICT MANAGER**

*Mohammed M. Haque, P.E.*

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*Gary L. Bogolin*

**O&M MANAGER**

*Kevin R. Hausherr*

**ATTORNEY**

*Charles W. Smith*  
*Smith & LaLuzerne, LTD.*

**ENGINEER**

*Marcia A. McCutchan, P.E.*  
*RHMG Engineers, Inc.*

Peter E. Kolb, P.E.  
Lake County : Department of Public Works  
650 West Winchester Road  
Libertyville, IL 60048-1391

Re: Volo Service Subarea  
Annual Report of Flows

Please find attached the fourth annual report from the District for the Volo Service Subarea flows, as required under Section 5.3(G) of the Lake County / Volo / LRSD Intergovernmental Agreement dated November 16, 2004. The report reflects the flows attributable to the Volo Service Subarea based on IEPA permitting through December 31, 2008.

If you have any questions or concerns, please contact me at (847) 973-8940.

LAKES REGION SANITARY DISTRICT

Mohammed M. Haque, P.E.  
District Manager

Cc: Ken Buchardt, Village of Volo  
Marcia McCutchan, P.E., Rezek, Henry, Meisenheimer & Gende, Inc  
Charles W. Smith, Smith & LaLuzerne, Ltd.

Enc.



**VOLO SOUTH SERVICE AREA  
PHASING OUTLINE  
PER LRSD/VOLO/LC IA Dated November 16, 2004**

Phase I Flow Limits [Article 5.3 C(1)]		
Total Flow (PE)	Res Limit (PE)	Non Res (PE)
1500	1500	0
2000	1833	167
2500	2167	333
3000	2500	500
3500	2833	667
4000	3167	833
4500	3500	1000
5000	3833	1167
5500	4167	1333
6000	4500	1500
6500	4833	1667
6535	4857	1678
7000	5167	1833
7500	5500	2000

Phase II Flow Limits [Article 5.3 C(2)]			
1/3 [Total Sewage Flow - 7500 P.E.] + 5,000 P.E. = "Phase II Residential P.E. Limit"			
Total Flow (PE)	Res Limit (PE)	Non Res (PE)	Max Res (PE) *
7500	5000	2500	5500
8000	5167	2833	5667
8500	5333	3167	5833
9000	5500	3500	6000
9500	5667	3833	6167
10000	5833	4167	6333
10500	6000	4500	6500
11000	6167	4833	6667
11500	6333	5167	6833
12000	6500	5500	7000
12500	6667	5833	7167
13000	6833	6167	7333
13500	7000	6500	7500
14000	7167	6833	7667
14500	7333	7167	7833
15000	7500	7500	8000

\* Res PE can be 500 PE higher than Non-Res PE in Phase II & III

**VOLO SOUTH SERVICE AREA  
PHASING OUTLINE  
PER LRSD/VOLO/LC IA Dated November 16, 2004**

Phase III Flow Limits [Article 5.3 C(3)]			
Total Flow (PE)	Res Limit (PE)	Non Res (PE)	Max Res (PE) *
15000	7500	7500	8000
15500	7750	7750	8250
16000	8000	8000	8500
16500	8250	8250	8750
17000	8500	8500	9000
17500	8750	8750	9250
18000	9000	9000	9500
18500	9250	9250	9750
19000	9500	9500	10000
19500	9750	9750	10250
20000	10000	10000	10500
20500	10250	10250	10750
21000	10500	10500	11000
21500	10750	10750	11250
21900	10950	10950	11450

\* Res PE can be 500 PE higher than Non-Res PE in Phase II & III

**FLOW ADJUSTING EVENTS**

If a property identified in Exhibit B is eventually not served by LRSD, then the attributable PE for that property as identified in Exhibit C will be deducted from the Total Sewage Flow and the above Limits will be re-calculated.