

December 22, 2006

To the Joint Meeting

Ladies and Gentlemen:

ANNUAL REPORT OF THE SEWAGE CONTRIBUTION  
OF THE MUNICIPALITIES ORGANIZED IN  
JOINT MEETING (FOR THE PURPOSE OF  
ASSESSMENT FOR THE YEAR 2007)

I present herewith the 72nd Annual Report for the eleven municipalities organized in Joint Meeting, covering their respective contribution to Section One of the Supplementary Joint Trunk Sewer and to the Treatment Plant, as called for under the terms of the 1926 Contract.

Article X of the 1926 Contract requires that an estimate be made for the purpose of assessing the costs of maintenance and operation each year.

In order that the amount of work necessary for the preparation of this estimate be completed in time for consideration by the Joint Meeting before the date specified by law for the adoption of the new budget, it has been customary to use the twelve-month period immediately prior thereto as the basis of consideration for the assessment purpose only.

You will please note that this is the first of the two Annual Reports prepared each year, and that it covers the twelve-month period from November 1, 2005 through October 31, 2006. Subsequently, at the beginning of each succeeding year, a second and final report is prepared covering the previously completed calendar year, which coincides with the fiscal year of the Joint Meeting.

Pursuant to the Federal Water Pollution Control Act Amendments of 1972, PL 92-500 and as a requirement of our Construction Grant for the expansion in Secondary Treatment, a "User Charge System" is used to apportion the operation and maintenance costs for the Joint Meeting for 2007. During the year 1978, a User Charge System was prepared and adopted by the member municipalities and is entitled "An Ordinance Establishing and Defining User Charges in Connection with the Collection and Treatment of Wastewater and Providing for the Payment of Said User Charges". During the year 2006, this "User Charge System" was utilized by the various municipalities for collection of the charges associated with the operation and maintenance of the trunk sewer system, the treatment plant, and the Sludge Dewatering Facility, the percentage of assessment based upon a report dated December 16, 2005.

During 2006, the various municipalities computed the actual dwelling units for each of their respective towns in accordance with the revised schedule included in the Sewer Use Ordinance. Table II depicts the new (2007) dwelling unit figures formulated by each municipality in 2006.

It should be noted that the methodology used to assess the City of Elizabeth for services rendered by the Joint Meeting is based on quantity and quality of sewage as measured at the Trenton Avenue Pumping Station, plus the Equivalent Dwelling Units (EDU's) tributary to the gravity Joint Meeting sewer through the Elmora Avenue Area in Elizabeth, plus the tributary area from the City of Linden. This methodology was approved by the Joint Meeting and the Elizabeth City Council. The percentage used in this assessment report for the City will be based upon a twelve (12) month, 365 day period of November 1, 2005, through October 31, 2006 and projected for a twelve (12) month period in 2007. This allocation will be assessed and paid in accordance with the member municipalities billing procedure. Then, based on the analysis of the samples taken at the Trenton Avenue Pumping Station, an adjustment is made (on a quarterly basis) to the percent allocation from the City. At the end of 2007, utilizing twelve (12) months of data, the actual percent contribution by the City will be calculated and certified thereto.

The accompanying computations include the total Dwelling Unit number of 47,181 for the City. (This Equivalent Dwelling Unit number was computed by Elson T. Killam Associates during the period November 8, 1979 and December 12, 1979 and revised by the City Engineer on February 9, 1982).

### USER CHARGE APPORTIONMENT

Set forth below are the basis factors concerning flow, waste characteristics and projected cost of operations of the Facilities derived for the 365 day period from November 1, 2005, through October 31, 2006, and projected for 2007 and are based upon actual 2005-2006 operating statistics as well as a recent upgraded 2006 industrial waste survey. The industrial waste figures take into consideration actual yearly operational time for each industry (i.e., 5 day or 7 day working week, etc.).

1.	Flow	24,126.1440 MG/Year	66.0990 MGD
2.	BOD	17,434.0974 Tons/Year	95,529.3008 Lbs/Day
	TSS	14,558.9564 Tons/Year	79,775.1036 Lbs/Day
3.	Estimated Industrial Flow	762.1360 MG/Year	2.0880 MGD
4.	Estimated Industrial BOD	4,664.1439 Tons/Year	25,556.9526 Lbs/Day
5.	Estimated Industrial TSS	1,149.4295 Tons/Year	6,298.2438 Lbs/Day
6.	Estimated Total Operating Expenses in 2007		
			\$14,513,312 STP
			6,102,208 SDWF
			544,955 SDF
			621,877 Sewers
			<hr/> \$21,782,352 Total
7.	Estimated Total Dwelling Units in System		
			150,930 JM Members
			47,181 Elizabeth
			<hr/> 198,111 Total

In addition to the foregoing, it has been determined that the following cost allocations would fairly represent the actual costs of treatment.

Flow	30.0464427%
BOD	46.6723904%
Suspended Solids	23.2811669%

The basis for these cost allocations is set forth in Appendix A.

Based upon the foregoing allocations, Table I has been prepared which shows the projected and estimated flow and waste characteristics for 2007 and the projected estimated cost allocation between domestic sewage treated from residential and commercial establishments, and the industrial waste treatment reflecting industrial flow from industries in the collection system. This system takes into consideration the fact that the City of Elizabeth does not use the trunk sewer and will accordingly not be charged for its use. The trunk sewer charge is assessed only against member municipalities, and their respective industries.

**Table I**  
**Joint Meeting of Essex & Union Counties**  
**Estimated Flow Waste Characteristics and Cost Allocation for Treatment in 2007**

**Treatment Plant**

	<u><b>Total for 2007</b></u>	<u><b>Domestic &amp; Commercial</b></u>	<u><b>Industrial</b></u>
Flow	24,126.1440 MG/Yr. <sup>1</sup>	23,364.0080 MG/Yr.	762.1360 MG/Yr.
BOD	17,434.0974 Tons/Yr. <sup>1</sup>	12,769.9536 Tons/Yr.	4,664.1439 Tons/Yr.
Suspended Solids	14,558.9564 Tons/Yr. <sup>1</sup>	13,409.5269 Tons/Yr.	1,149.4295 Tons/Yr.

(1) Based upon data from November 1, 2005 thru October 31, 2006 (365 days)

**Cost Allocation**

	<u><b>Total for 2007</b></u>	<u><b>Domestic &amp; Commercial</b></u>	<u><b>Industrial</b></u>
Flow	\$6,357,970.00	\$6,157,124.00	\$200,846.00
BOD	9,876,099.50	7,233,947.00	2,642,152.50
Suspended Solids	4,926,405.50	4,537,466.00	388,939.50
	<u>\$21,160,475.00</u>	<u>\$17,928,537.00</u>	<u>\$3,231,938.00</u>
	100.000000%	84.72653380%	15.27346620%

**Elizabeth Contribution**

Flow	-	6,038.5460 MG/Yr.
BOD	-	6,624.7505 Tons/Yr.
TSS	-	3,550.9972 Tons/Yr.

**Trunk Sewer Flow**<sup>1</sup>

	<u><b>Total for 2007</b></u>	<u><b>Domestic &amp; Commercial</b></u>	<u><b>Industrial</b></u>
	18,087.5980 MG/Yr. <sup>2</sup>	17,646.8960 MG/Yr.	440.702 MG/Yr.

(1) Based upon data from November 1, 2005 thru October 31, 2006 (365 days)

(2) (24,126.144 - 6,038.5460)

**COST ALLOCATION**

\$621,877.00	\$606,725.05	\$15,151.95
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Member municipalities will be assessed \$4.02 (\$606,725.05/150,930) for trunk sewer O&M per equivalent dwelling unit.

The estimated cost for treating industrial wastes has been determined to be \$297.91 per MG for flow, \$566.48 per ton of BOD, and \$338.38 per ton of suspended solids. These estimates are predicated upon the cost allocation to industry and the estimates of flow and strength characteristics of the industrial waste, all as indicated on Table I. These costs were determined as follows:

Flow	\$200,846.00	/	762.1360	=	\$263.5303935	/MG
BOD	\$2,642,152.50	/	4,664.1439	=	\$566.4817778	/Ton
Suspended Solids	\$388,939.50	/	1,149.4295	=	\$338.3761249	/Ton

All industries within the member municipalities (excluding Elizabeth) will be required to pay an additional \$34.38/MG of flow for trunk sewer use ( $\$15,151.95/440.702 = \$34.381/\text{MG}$ ). This brings the total flow cost to \$297.91/MG ( $\$263.530 + \$34.381$ ) for the indicated industries of member municipalities.

Based upon the user charges for 2007, a computation has been made to show the budget prepayment for each municipality of the Joint Meeting. These estimates are subject to revision annually, dependent upon the actual number of dwelling units which must be determined for each municipality in accordance with the schedule of dwelling units set forth in the ordinance. In addition thereto, the computation for the industrial user charges has been based upon actual calculations of flow and waste characteristics for the industries in the district as a result of the 2006 industrial waste survey of the service area. These are estimates for 2007 and must be verified on an annual basis to reflect the actual flow and waste characteristics.

The basis for the industrial waste flow and characteristics are set forth in Appendix B of this report. The dwelling unit figures have been compiled by each municipality with the exception of Elizabeth in accordance with the revised Schedule of Dwelling Units incorporated into the User Charge Ordinance.

Table VII sets forth the cost to each municipality to establish the budget requirements of \$21,675,352 for 2007. However, it should be noted that in accordance with the Agreement between the Joint Meeting and the City of Elizabeth noted previously, and as a result of the monitoring of the Trenton Avenue Pumping Station, the City would provide for 32.7808912% of the treatment plant, sludge dewatering facility and sludge drying facility budgets initially with adjustments made quarterly. Upon completion and verification of the quality and quantity of the City's contribution as measured at the Trenton Avenue Pumping Station, plus the EDU's from the Elmora Avenue area, plus the City of Linden's contribution, an adjustment will then be made for the member municipalities.

**Table II**  
**Joint Meeting of Essex and Union Counties**  
**Annual Report of the Sewer Contribution of the Municipalities**  
**Municipality Dwelling Units and Industrial User Charge**  
**2007**

<u>Municipality</u>	<u>Dwelling Units <sup>1</sup></u>	<u>User Charges Industrial</u>
East Orange	7,172	\$ -
Hillside	8,496	400,292
Irvington	27,254	37,814
Maplewood	9,414	342,898
Millburn	9,802 <sup>4</sup>	-
Newark	17,377	-
Roselle Park	4,745	493
South Orange	7,821	-
Summit	13,997 <sup>2</sup>	69,953 <sup>3</sup>
Union	24,941	480,262
West Orange	19,911	-
Elizabeth	47,181	1,915,379
	<u>198,111</u>	<u>\$ 3,247,091</u>

(1) Based on actual calculation and verification by Municipalities; City of Elizabeth computed by Elson T. Killam Associates in 1979 and updated by City Engineer on February 9, 1982.

(2) Includes New Providence (3553)

(3) Includes Murray Hill

(4) Includes Livingston (409)

**Table III**  
**Joint Meeting of Essex and Union Counties**  
**Computation of Estimated Percent**  
**Contribution By City of Elizabeth**

**For Period 11/1/2005-10/31/2006 and Projected Contribution for 2007**

Flow:	Treatment Plant	Elizabeth Pumping Station		Joint Meeting	
	24,126.144 MG	6,038.546 MG		18,087.598 MG	
		Industrial	D&C	Industrial	D&C
		307.387	5,731.159	440.702	17,646.896
		\$ 81,005.82	\$ 1,510,334.59	\$ 131,290.32	\$ 5,257,218.37
Unit Charge \$ 263.5303935 Per MG for Elizabeth					
Unit Charge \$ 297.9117895 Per MG for Joint Meeting					
<b>BOD:</b>	17,434.0974 Tons	6,624.7505 Tons		10,809.3469 Tons	
		Industrial	D&C	Industrial	D&C
		2,784.0212	3,840.7293	1,806.14115	9,003.20575
		\$ 1,577,097.28	\$ 2,175,703.16	\$ 1,023,146.05	
Unit Charge	\$566.4817778 Per Ton				
<b>TSS:</b>	14,558.9564 Tons	3,550.9972 Tons		11,007.9592 Tons	
		Industrial	D&C	Industrial	D&C
		592.0823	2,958.9149	523.9003	10,484.0589
		\$ 200,346.51	\$ 1,001,226.16	\$ 177,275.35	
Unit Charge	\$338.3761249 Per Ton				
			\$ 6,545,713.52	\$ 1,331,711.72	

City of Elizabeth (Contribution from Pumping Station) \$ 6,545,713.52

City of Elizabeth (Industry Tributary to Joint Meeting Trunk)

<b>Flow:</b>	14.0470 MG/Year at	\$ 263.5303935	3,701.81
<b>BOD:</b>	73.9815 Tons/Year at	566.4817778	41,909.17
<b>TSS:</b>	33.4469 Tons/Year at	338.3761249	11,317.63

Joint Meeting Industrial	1,331,711.72
Subtotal	\$ 7,934,353.85

Total 2006 Budget	\$ 21,782,352.00
Subtotal (above)	(7,934,353.85)
Subtotal (EDU's)	\$ 13,847,998.15

Joint Meeting EDU's (X + Y) + Elmora EDU's (X) = \$ 13,847,998  
 (Y = Additional Assessment to Member Municipalities for Trunk Sewer O&M)  
 150,930 (X + \$4.019910223) + 3905 (X) = \$ 13,847,998

Equivalent Units-Member Municipalities 150,930

Elmora EDU's =	3,905	\$85.5186043210	Per Unit = X
		\$89.5385145440	Per Unit = X+Y

Joint Meeting EDU Assessment	\$ 13,514,048.00
Elmora Area Assessment	\$ 333,950.15

Total Anticipated Payment from the City of Elizabeth

Pumping Station	\$ 6,545,713.52
Elmora EDU's	333,950.15
Elmora Industrial	56,928.61
	<hr/>
	\$ 6,936,592.28

Total Anticipated Payment from Member Municipalities

EDU's	13,514,048.00
Industrial	1,331,711.72
	<hr/>
	\$ 14,845,759.72

Estimated Percent Contribution of Treatment Plant, Sludge Dewatering and Sludge Drying Facility Budgets by  
 City of Elizabeth

\$ 6,936,592.28	/	\$ 21,160,475.00 =	32.7808912%
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Table IV - A  
Joint Meeting of Essex and Union Counties  
Adjusted 2006 - Summary of Infiltration and Inflow

Municipality	Phase IIB		2006		Phase IIB		2006	
	SSES Infiltration (GPD)	2005 Infiltration (GPD)	2006 Infiltration Removed (GPD)	2006 Infiltration (GPD)	SSES Inflow (GPD)	2005 Inflow (GPD)	2006 Inflow Removed (GPD)	2006 Inflow (GPD)
East Orange	70,747	54,327	10,305	44,022	3,007,440	3,007,440	2,789,280	218,160
Hillside	79,012	32,980	-	32,980	1,185,120	1,185,120	-	1,185,120
Irvington	1,115,672	797,026	-	797,026	8,612,640	7,791,840	-	7,791,840
Maplewood	389,078	199,485	-	199,485	5,449,680	5,449,680	-	5,449,680
Millburn	191,609	152,240	-	152,240	2,729,520	2,384,640	-	2,384,640
Newark	234,484	184,463	-	184,463	1,959,540	1,951,200	-	1,951,200
Roselle Park	106,187	65,147	-	65,147	1,576,080	1,576,080	-	1,576,080
South Orange	410,876	83,906	-	83,906	2,183,760	2,126,160	57,600	2,068,560
Summit	171,657	64,916	-	64,916	3,651,120	1,872,720	-	1,872,720
Union	329,127	238,013	-	238,013	14,534,640	13,357,440	-	13,357,440
West Orange	250,811	154,847	-	154,847	7,097,040	6,744,600	-	6,744,600
Total	3,349,260	2,027,350	10,305	2,017,045	51,986,580	47,446,920	2,846,880	44,600,040

Table V

## Joint Meeting of Essex and Union Counties

## Cost Allocation - Flow, BOD &amp; TSS with Infiltration / Inflow

		Total	Domestic & Commercial	Industrial
Flow		18,087.5980 MG	17,646.8960 MG	440.7020 MG
		\$4,997,631.10	\$4,866,340.78	
Infiltration	3.8207994%	691.09	674.25	\$185,932.43
Inflow	9.0176706%	1,631.08	1,591.34	\$438,830.87
BOD	at \$566.4817778 Per Ton	10,809.3469 Tons	9,003.2058 Tons	1,806.1412 Tons
		\$6,123,298.05	\$5,100,152.00	\$1,023,146.05
TSS	at \$338.3761249 Per Ton	11,007.9592 Tons	10,484.0589 Tons	523.9003 Tons
		\$3,724,830.58	\$3,547,555.22	\$177,275.35
Total		\$14,845,759.73 <sup>1</sup>	\$13,514,048.00	\$1,331,711.72

(1) Amount anticipated from Members after allocation of 32.7808912% to City of Elizabeth \$ 6,936,592.28

<sup>1</sup>Base Year - 1982"

Infiltration: 3.35 MGD / 52.79 MGD = 6.34590% (Per H&amp;S Phase IIB Report)

Inflow: 113 MGD (Excluding Elizabeth) / 137 MGD (Total) = 82.4817518% 1 inch of rain = 50 mg of inflow (Per H&amp;S Phase IIB Report)

<sup>2</sup>2005 - 2006"Infiltration: 2.017 MGD/52.79MGD = X 691.09 MG / Year  
(November 1, 2005 - October 31, 2006)

Inflow: Rainfall = 39.55 Inches X 50 MG X 82.482% 1,631.08 MG / Year

Total D&C \$13,514,048.00  
Less: Infiltration (185,932.43)  
Less: Inflow (438,830.87)  
Net after infiltration and inflow \$12,889,284.70  
Equivalent Dwelling Units 150,930  
User Charge Per Unit \$85.3990903067647

Table VI  
Joint Meeting of Essex and Union Counties  
Estimated Annual Operation Expenses To Member Municipalities  
2007

Domestic & Commercial									
Municipality	Dwelling Units	User Charge		Infiltration		Inflow		Total Cost	Unit Cost
		\$	Per Unit	Percent <sup>1</sup>	Amount	Percent <sup>2</sup>	Amount		
East Orange	7,172		\$612,482.28	2.18%	\$4,053.33	0.49%	\$2,150.27	\$618,685.88	\$86.2641
Hillside	8,496		725,550.67	1.64%	3,049.29	2.66%	11,672.90	740,272.86	87.1319
Irrington	27,254		2,327,466.81	39.51%	73,461.90	17.47%	76,663.75	2,477,592.46	90.9075
Maplewood	9,414		803,947.04	9.89%	18,388.72	12.22%	53,625.13	875,960.89	93.0487
Millburn	9,802 <sup>3</sup>		837,081.88	7.55%	14,037.90	5.35%	23,477.45	874,597.23	89.2264
Newark	17,377		1,483,979.99	9.15%	17,012.82	4.37%	19,176.91	1,520,169.72	87.4817
Roselle Park	4,745		405,218.68	3.23%	6,005.62	3.53%	15,490.73	426,715.03	89.9294
South Orange	7,821		667,906.29	4.16%	7,734.79	4.64%	20,361.75	696,002.83	88.9915
Summit	13,997 <sup>4</sup>		1,195,331.07	3.22%	5,987.02	4.20%	18,430.90	1,219,748.99	87.1436
Union	24,941		2,129,938.71	11.80%	21,940.03	29.95%	131,429.85	2,283,308.59	91.5484
West Orange	19,911		1,700,381.29	7.68%	14,279.61	15.12%	66,351.23	1,781,012.13	89.4487
	150,930		\$12,889,284.71	100.01%	\$185,951.03	100.00%	\$438,830.87	\$13,514,066.61	\$89.5386
									\$94.7379
									2006
									2005
									2004
									2003

(1) See Table IV - Infiltration for November of the Prior Year

(2) See Table IV - Inflow for November of the Prior Year

(3) Includes Livingston (409)

(4) Includes New Providence (3553)

(1) See Table IV - Infiltration for November of the Prior Year

(2) See Table IV - Inflow for November of the Prior Year

(3) Includes Livingston (409)

(4) Includes New Providence (3553)

Table VI (Continued)  
Joint Meeting of Essex and Union Counties  
Estimated Annual Operation Expenses To Member Municipalities  
2007

Municipality	Industrial									
	BOD (Tons / Year)	BOD <sup>1</sup> (\$/Year)	TSS (Tons / Year)	TSS <sup>2</sup> (\$/Year)	Flow (MG / Year)			Total	Flow <sup>3</sup> (\$/Year)	Total Cost
					Dry Weather	Infiltration 3.820799%	Inflow 9.017671%			
East Orange	0.0000	\$0.00	0.0000	\$0.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00
Hillside	630.8592	357,370.21	80.9236	27,382.61	45.46	1.99	4.70	52.16	15,539.38	400,292.20
Irvington	56.5591	32,039.70	7.7900	2,635.95	9.18	0.40	0.95	10.53	3,137.61	37,813.26
Maplewood	559.5690	316,985.64	30.0694	10,174.77	46.04	2.02	4.76	52.83	15,737.49	342,897.90
Millburn	0.0000	0.00	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Newark	0.0000	0.00	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Roselle Park	0.1700	96.30	0.2282	77.22	0.94	0.04	0.10	1.07	319.66	493.18
South Orange	0.0000	0.00	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Summit <sup>4</sup>	42.8339	24,264.62	44.5545	15,076.18	89.57	3.93	9.27	102.76	30,612.82	69,953.62
Union	516.1500	292,389.57	360.3346	121,928.63	192.93	8.46	19.96	221.35	65,943.37	480,261.57
West Orange	0.0000	0.00	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1,806.1412	\$1,023,146.04	523.9003	\$177,275.36	384.12	16.84	39.74	440.70	\$131,290.32	\$1,331,711.72

(1) At \$566.4817778/Ton

(2) At \$338.3761249/Ton

(3) At \$297.9117895/MG

(4) Includes Murray Hill

**Table VII**  
**Joint Meeting of Essex and Union Counties**  
**Summary of Estimated Annual Operational and Maintenance Expenses To Member Municipalities**  
**2007**

Domestic & Commercial					
Municipality	Total Assessments <sup>1</sup>	User Charge	User Charges Industrial	Infiltration / Inflow Charges	Assessment Percentage
		Domestic Sewage 85.39909031			
East Orange	\$618,685.88	\$612,482.28	\$0.00	\$6,203.60	4.1674%
Hillside	1,140,565.06	725,550.67	400,292.20	14,722.19	7.6828%
Irvington	2,515,405.72	2,327,466.81	37,813.26	150,125.65	16.9436%
Maplewood	1,218,858.79	803,947.04	342,897.90	72,013.85	8.2101%
Millburn	874,597.23	837,081.88	0.00	37,515.35	5.8912%
Newark	1,520,169.72	1,483,979.99	0.00	36,189.73	10.2397%
Roselle Park	427,208.21	405,218.68	493.18	21,496.35	2.8776%
South Orange	696,002.83	667,906.29	0.00	28,096.54	4.6882%
Summit	1,289,702.61	1,195,331.07	69,953.62	24,417.92	8.6873%
Union	2,763,570.16	2,129,938.71	480,261.57	153,369.88	18.6152%
West Orange	1,781,012.13	1,700,381.29	0.00	80,630.84	11.9969%
	\$14,845,778.33	\$12,889,284.71	\$1,331,711.72	\$624,781.90	100.0000%
Elizabeth	6,936,592.28				
Total	\$21,782,352.00				

(1) Reflects anticipated payment of \$6,936,592.28 from the City of Elizabeth which is 32.7808912% of allocation from Treatment Plant, Sludge Dewatering, and Sludge Drying budget. Exact 2007 percent contribution to be calculated at the end of fiscal year. Quarterly adjustments to be made in accordance with Agreement between Elizabeth and Joint Meeting.

Handwritten calculations:  
 769  
 592  
 361  
 501  
 582

**Table VIII**  
**Joint Meeting of Essex and Union Counties**  
**Comparison of 2007 Assessment with 2006 Assessment**

<b>Municipality</b>	<b>2006</b>	<b>2007</b>		<b>Comparison</b>	
				<b>Amount</b>	<b>Percentage</b>
East Orange	\$682,585.64	\$618,685.88	(-)	(\$63,899.76)	-9.36%
Hillside	879,673.75	1,140,565.06	(+)	260,891.31	29.66%
Irvington	2,640,184.77	2,515,405.72	(-)	(124,779.05)	-4.73%
Maplewood	1,092,278.65	1,218,858.79	(+)	126,580.14	11.59%
Millburn	927,094.62	874,597.23	(-)	(52,497.39)	-5.66%
Newark	1,575,226.61	1,520,169.72	(-)	(55,056.89)	-3.50%
Roselle Park	450,664.31	427,208.21	(-)	(23,456.10)	-5.20%
South Orange	734,205.65	696,002.83	(-)	(38,202.82)	-5.20%
Summit	1,354,459.64	1,289,702.61	(-)	(64,757.03)	-4.78%
Union	2,504,945.11	2,763,570.16	(+)	258,625.05	10.32%
West Orange	1,878,666.28	1,781,012.13	(-)	(97,654.15)	-5.20%
	<u>\$14,719,985.03</u>	<u>\$14,845,778.33</u>	(+)	<u>\$125,793.30</u>	<u>0.85%</u>
Elizabeth	6,684,654.93	6,936,592.28	(+)	\$ 251,937.35	3.77%
<b>Total</b>	<u><b>\$21,404,639.96</b></u>	<u><b>\$21,782,352.00</b></u>	<u><b>(+)</b></u>	<u><b>\$377,730.65</b></u>	<u><b>1.76%</b></u>

Note: City of Elizabeth percentage contribution of Treatment Plant, Sludge Dewatering, and Sludge Drying Budget:

City of Elizabeth percentage	
2003	32.11408370%
2004	30.39138410%
2005	31.38459700%
2006	32.13021810%

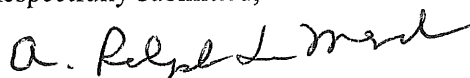
Table III, IV, V, VI, and VII, have been prepared to reflect the Domestic Sewer Usage and Industrial User assessment to each municipality for 2007 as a result of the Agreement with the City of Elizabeth which requires 32.7808912% of the 2007 Treatment Plant, Sludge Dewatering and Sludge Drying Budget to be paid in Quarterly assessments with adjustments made following the determination of the actual percentage of contribution for each quarter. The 32.7808912% figure is an estimate based upon actual monitoring of quality and quantity at the Trenton Avenue Pumping Station, etc., in accordance with the Agreement. The actual percentage of contribution will be determined following the completion of the annual audit of expenses. In addition, these tables reflect the costs associated with Infiltration / Inflow for the member municipalities, the percentages of which were determined from the Phase IIB SSES Reports, adjusted as a result of rehabilitation work, and updated in 2006.

### Summary and Certification

On the basis of the measured usage of Section One of the Supplementary Joint Trunk Sewer and the Treatment Plant, including the Sludge Dewatering and Sludge Drying Facilities, and an estimate of Dwelling Units and Waste Characteristics for the municipalities organized in Joint Meeting, and in accordance with the provisions of the 1926 contract, I hereby certify that the estimated maintenance and operating costs of the Joint Meeting for the 2007 are apportioned as follows:

	<u>2007</u>	<u>2006</u>		<u>2007</u>	<u>2006</u>
East Orange	4.1674%	4.6371%	Roselle Park	2.8776%	3.0616%
Hillside	7.6828%	5.9761%	South Orange	4.6882%	4.9878%
Irvington	16.9436%	17.9361%	Summit	8.6873%	9.2015%
Maplewood	8.2101%	7.4204%	Union	18.6152%	17.0173%
Millburn	5.8912%	6.2982%	West Orange	11.9969%	12.7626%
Newark	10.2397%	10.7013%	<b>Total</b>	<b><u>100.0000%</u></b>	<b><u>100.0000%</u></b>

Respectfully submitted,



A. Ralph LaMendola  
Chief Engineer



**Joint Meeting of Essex and Union Counties**  
**Annual Report of the Sewer Contribution of the Municipalities**  
**Appendix A**  
**2007 Budget**

	<b>Treatment Plant</b>	<b>Dewatering Facility</b>	<b>Drying Facility</b>	<b>Sewer</b>	<b>Total</b>
Electric Service	\$ 2,023,768	\$ 221,500	\$ 35,732	\$ -	\$ 2,281,000
Gas Service	21,500	33,500	-	-	55,000
Fuel, Oil & Kerosene	110,800	330,200	-	-	441,000
Water Service	159,000	53,000	3,500	-	215,500
Chemicals	734,300	798,700	6,800	2,200	1,542,000
Sludge Disposal	-	2,078,870	-	-	2,078,870
Insurance	509,094	135,088	57,523	5,877	707,582
Administration	1,300,000	732,000	20,000	135,000	2,187,000
Labor	4,860,000	816,000	116,000	8,000	5,800,000
Benefits	2,246,950	356,550	50,400	61,250	2,715,150
Equipment	187,000	49,500	-	-	236,500
Printing & Stationery	15,000	2,000	-	1,000	18,000
Maintenance, Supplies & Spare Parts	1,122,600	336,750	5,000	265,350	1,729,700
Screening Disposal	120,000	-	-	-	120,000
Reserve Contingency	135,000	-	-	-	135,000
Miscellaneous Expenses	190,000	65,000	-	120,000	375,000
Technical & Professional Services	425,500	80,000	-	15,000	520,500
Replacement Fund	-	-	-	-	-
NJPDES & Miscellaneous Permit Fee:	352,800	13,550	250,000	8,200	624,550
	<b>\$ 14,513,312</b>	<b>\$ 6,102,208</b>	<b>\$ 544,955</b>	<b>\$ 621,877</b>	<b>\$ 21,782,352</b>
	66.63%	28.01%	2.50%	2.86%	100.00%

Joint Meeting of Essex and Union Counties  
Annual Report of the Sewer Contribution of the Municipalities  
Appendix A (Continued)  
Operations and Management Cost Allocations  
(Treatment Plant)

	Estimated Total Cost	Percent Flow	Cost Flow	Percent SS	Cost SS	Percent BOD	Cost BOD
General Expenditures 1	\$ 1,908,594	80%	\$ 1,526,875	10%	\$ 190,859	10%	\$ 190,860
Power	2,023,768	40%	\$ 809,507	5%	\$ 101,188	55%	\$ 1,113,073
Chlorine	525,000	40%	\$ 210,000			60%	\$ 315,000
Maintenance, Equipment, Supplies, Spare Parts, & Replacement Fund	1,444,600	28%	\$ 404,488	27%	\$ 390,042	45%	\$ 650,070
Fuel, Oil & Kerosene	110,800	40%	\$ 44,320	30%	\$ 33,240	30%	\$ 33,240
Administration, Labor & Benefits (Payroll Retirement)	8,406,950	40%	3,362,780	10%	\$ 840,695	50%	\$ 4,203,475
Sludge Processing 2	93,600			50%	\$ 46,800	50%	\$ 46,800
<b>Total</b>	<b>\$14,513,312</b>	<b>100%</b>	<b>\$ 6,357,970</b>		<b>\$ 1,602,824</b>		<b>\$ 6,552,518</b>
			<b>43.8078503%</b>		<b>11.0438196%</b>		<b>45.1483301%</b>

(1) General Expenditures  
(From the Approved Budget)

(2) Sludge Processing

Insurance	\$ 509,094	Polymer	\$ 80,000
Technical & Professional Services	425,500	K2MnO4	13,600
Stationery & Printing	15,000		
Gas	21,500		
Water	159,000		
Miscellaneous	190,000		
Service Contracts	120,000		
Permit Fees	352,800		
Sodium Bisulfite & Misc. Chemicals	115,700		
	<u>\$1,908,594</u>		<u>\$ 93,600</u>

**Joint Meeting of Essex and Union Counties**  
**Annual Report of the Sewer Contribution of the Municipalities**  
**Appendix A (Continued)**  
**Operations and Management Allocations**

	Estimated			
	Total Cost	Cost Flow	Cost TSS	Cost BOD
Treatment Plant	\$ 14,513,312	\$ 6,357,970	\$ 1,602,824	\$ 6,552,518
Dewatering Facility	6,102,208		3,051,104	3,051,104
Drying Facility	544,955		272,478	272,478
	<u>\$ 21,160,475</u>	<u>\$ 6,357,970</u>	<u>\$ 4,926,406</u>	<u>\$ 9,876,100</u>
Subtotal	100.00%	30.0464427%	23.2811669%	46.6723904%
Sewers 1	\$ 621,877			
Total	<u>\$ 21,782,352</u>			

(1) Joint Meeting Members Only

**JOINT MEETING OF ESSEX & UNION COUNTIES**

**INDUSTRIAL USER CHARGE - 2007  
SUMMARY**

<b>MUNICIPALITY</b>	<b>LOADINGS</b>		
	<b>FLOW (MG)</b>	<b>BOD (tons)</b>	<b>TSS (tons)</b>
HILLSIDE	52.161	630.85914639	80.92358712
IRVINGTON	10.532	56.55909861	7.78994781
MAPLEWOOD	52.826	559.56898902	30.06942381
MURRAY HILL	40.611	12.45044406	6.38127594
ROSELLE PARK	1.073	0.17002758	0.22819491
SUMMIT	62.147	30.38354991	38.17341849
UNION	221.352	516.14995239	360.33463311
<i>MEMBERS TOTAL</i>	440.702	1806.14120796	523.90048119
<i>ELIZABETH</i>	321.434	2858.00266614	625.52921502
<b>GRAND TOTAL</b>	762.136	4664.14387410	1149.42969621

<b>MUNICIPALITY</b>	<b>COSTS</b>			
	<b>FLOW</b>	<b>BOD</b>	<b>TSS</b>	<b>TOTAL</b>
HILLSIDE	\$15,539.38	\$357,370.21	\$27,382.61	\$400,292.20
IRVINGTON	\$3,137.61	\$32,039.70	\$2,635.93	\$37,813.24
MAPLEWOOD	\$15,737.49	\$316,985.64	\$10,174.78	\$342,897.90
MURRAY HILL	\$12,098.50	\$7,052.95	\$2,159.27	\$21,310.72
ROSELLE PARK	\$319.66	\$96.32	\$77.22	\$493.19
SUMMIT	\$18,514.32	\$17,211.73	\$12,916.97	\$48,643.02
UNION	\$65,943.37	\$292,389.54	\$121,928.64	\$480,261.55
<i>MEMBERS TOTAL</i>	\$131,290.32	\$1,023,146.08	\$177,275.41	\$1,331,711.82
<i>ELIZABETH</i>	\$84,707.63	\$1,619,006.43	\$211,664.15	\$1,915,378.21
<b>GRAND TOTAL</b>	\$215,997.95	\$2,642,152.51	\$388,939.57	\$3,247,090.03

**JOINT MEETING OF ESSEX & UNION COUNTIES**

**INDUSTRIAL USER CHARGE - 2007  
COST FACTORS**

	<b>FLOW</b>	<b>BOD</b>	<b>TSS</b>
<b>MEMBER MUNICIPALITIES</b>	\$297.9117895	\$566.4817778	\$338.3761249
<b>ELIZABETH</b>	\$263.5303935	\$566.4817778	\$338.3761249

## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: HILLSIDE

IU #	INDUSTRY	SITE	Concentration		Cost Factors			ANNUAL PAYMENT
					Flow per MG	BOD per Ton	TSS per Ton	
					\$297.9117895	\$566.4817778	\$338.3761249	
			BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	
1035	ECD	2	28	7	11.277	1.3167	0.3292	
		3	411	782	0.592	1.0146	1.9305	
	Totals:				11.869	2.3313	2.2597	
	Cost Analysis:				\$3,535.92	\$1,320.65	\$764.61	\$5,621.17
1042	GEC Marconi / BAE	1	1	3	10.612	0.0443	0.1328	
	Totals:				10.612	0.0443	0.1328	
	Cost Analysis:				\$3,161.44	\$25.07	\$44.92	\$3,231.43
1050	Manhattan Drug Co.	4	446	436	0.416	0.7737	0.7563	
	Totals:				0.416	0.7737	0.7563	
	Cost Analysis:				\$123.93	\$438.28	\$255.93	\$818.14
1054	Oasis Foods	3	2434	547	5.200	52.7789	11.8611	
		99	178	147	2.744	2.0368	1.6820	
	Totals:				7.944	54.8156	13.5432	
	Cost Analysis:				\$2,366.61	\$31,052.05	\$4,582.69	\$38,001.35
1058	Quest Industries	1	51	1627	0.217	0.0461	1.4723	
		2	137	167	0.215	0.1228	0.1497	
	Totals:				0.432	0.1690	1.6220	
	Cost Analysis:				\$128.70	\$95.72	\$548.84	\$773.26
1088	USA Detergents / Production Services	1	1832	115	2.783	21.2606	1.3346	
	Totals:				2.783	21.2606	1.3346	
	Cost Analysis:				\$829.09	\$12,043.72	\$451.59	\$13,324.40
1090	Union Beverages	1	8138	93	6.537	221.8361	2.5351	
		2a	6480	136	4.648	125.5964	2.6360	
		2b	7817	2224	6.025	196.3963	55.8763	
	Totals:				17.21	543.8288	61.0474	
	Cost Analysis:				\$5,127.06	\$308,069.08	\$20,656.99	\$333,853.13
1091	Hillside Bottling	1	2046	61	0.895	7.6360	0.2277	
	Totals:				0.895	7.6360	0.2277	
	Cost Analysis:				\$266.63	\$4,325.64	\$77.04	\$4,669.31
HILLSIDE TOTALS					52.1610	630.8591	80.9236	
					\$15,539.38	\$357,370.21	\$27,382.61	\$400,292.20

## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: IRVINGTON

			Cost Factors					
			Concentration		Flow per MG	BOD per Ton	TSS per Ton	
					\$297.9117895	\$566.4817778	\$338.3761249	
IU #	INDUSTRY	SITE	BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	ANNUAL PAYMENT
2030	Hi-Speed Plating	1	137	23	0.049	0.0280	0.0047	
		99	178	147	0.078	0.0579	0.0478	
	Totals:				0.127	0.0859	0.0525	
	Cost Analysis:				\$37.83	\$48.65	\$17.77	\$104.26
2036	Intergel	1	952	126	2.457	9.7539	1.2910	
					2.457	9.7539	1.2910	
	Totals:							
	Cost Analysis:				\$731.97	\$5,525.40	\$436.83	\$6,694.20
2040	Jabel	1	124	106	0.217	0.1122	0.0959	
					0.217	0.1122	0.0959	
	Totals:							
	Cost Analysis:				\$64.65	\$63.56	\$32.46	\$160.67
2055	Revlon	5	166	365	2.571	1.7797	3.9132	
					2.571	1.7797	3.9132	
	Totals:							
	Cost Analysis:				\$765.93	\$1,008.17	\$1,324.13	\$3,098.23
2057	SAL Cleaners	1	421	86	2.785	4.8893	0.9988	
		99	178	147	0.168	0.1247	0.1030	
	Totals:				2.953	5.0140	1.1017	
	Cost Analysis:				\$879.73	\$2,840.32	\$372.80	\$4,092.85
2066	Wayne County Foods	1	4607	145	2.067	39.7095	1.2498	
		99	178	147	0.140	0.1039	0.0858	
	Totals:				2.207	39.8134	1.3356	
	Cost Analysis:				\$657.49	\$22,553.59	\$451.95	\$23,663.03
IRVINGTON TOTALS					10.5320	56.5591	7.7899	
					\$3,137.61	\$32,039.70	\$2,635.93	\$37,813.24

## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: MAPLEWOOD

IU #	INDUSTRY	SITE	Concentration	BOD (mg/l)	TSS (mg/l)	Cost Factors			ANNUAL PAYMENT
						Flow per MG	BOD per Ton	TSS per Ton	
						\$297.9117895	\$566.4817778	\$338.3761249	
3020	Gleason Cleaners	1	225	114	0.685	0.6427	0.3256		
		99	178	147	0.156	0.1158	0.0956		
	Totals:				0.841	0.758	0.421		
	Cost Analysis:				\$250.54	\$429.67	\$142.54		\$822.76
3033	NJ Transit - Hilton Gar.	3a	470	369	5.546	10.8696	8.5338		
	Totals:				5.546	10.8696	8.5338		
	Cost Analysis:				\$1,652.22	\$6,157.43	\$2,887.63		\$10,697.29
3046	UniClean	1	71	7	1.793	0.5309	0.0523		
		99	178	147	0.172	0.1277	0.1054		
	Totals:				1.965	0.6585	0.1578		
	Cost Analysis:				\$585.40	\$373.04	\$53.39		\$1,011.82
3050	Maplewood Beverage	1	2951	113	44.474	547.2824	20.9566		
	Totals:				44.474	547.2824	20.9566		
	Cost Analysis:				\$13,249.33	\$310,025.49	\$7,091.21		\$330,366.03
MAPLEWOOD TOTALS					52.8260	559.5690	30.0694		
					\$15,737.49	\$316,985.64	\$10,174.78		\$342,897.90



## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: MURRAY HILL

IU #	INDUSTRY	SITE	Concentration		Cost Factors			ANNUAL PAYMENT
					Flow per MG \$297.9117895	BOD per Ton \$566.4817778	TSS per Ton \$338.3761249	
			BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	
5010	Bell Labs / Lucent	1	12	8	31.401	1.5713	1.0475	
	Totals:				31.401	1.5713	1.0475	
	Cost Analysis:				\$9,354.73	\$890.12	\$354.46	\$10,599.31
5011	Baxter Pharmaceutical	1	511	551	1.138	2.4249	2.6147	
	Totals:				1.138	2.4249	2.6147	
	Cost Analysis:				\$339.02	\$1,373.68	\$884.77	\$2,597.47
5020	Fablok Mills	4	369	68	5.207	8.0122	1.4765	
	Totals:				5.207	8.0122	1.4765	
	Cost Analysis:				\$1,551.23	\$4,538.75	\$499.61	\$6,589.58
5021	FRC-Electrical Ind	1	37	104	2.865	0.4420	1.2425	
	Totals:				2.865	0.4420	1.2425	
	Cost Analysis:				\$853.52	\$250.41	\$420.43	\$1,524.36
MURRAY HILL TOTALS					40.6110	12.4504	6.3813	
					\$12,098.50	\$7,052.95	\$2,159.27	\$21,310.72

JOINT MEETING OF ESSEX & UNION COUNTIES

INDUSTRIAL USER CHARGE - 2007

Municipality: ROSELLE PARK

IU #	INDUSTRY	SITE	Concentration	BOD (mg/l)	TSS (mg/l)	Cost Factors			ANNUAL PAYMENT
						Flow per MG	BOD per Ton	TSS per Ton	
						\$297.9117895	\$566.4817778	\$338.3761249	
6005	Hexacon Electric	2	38	51		1.073	0.1700	0.2282	
	Totals:					1.073	0.1700	0.2282	
	Cost Analysis:					\$319.66	\$96.32	\$77.22	\$493.19
ROSELLE PARK TOTALS						1.0730	0.1700	0.2282	
						\$319.66	\$96.32	\$77.22	\$493.19

## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: SUMMIT

IU #	INDUSTRY	SITE	Concentration		Cost Factors			ANNUAL PAYMENT
					Flow per MG	BOD per Ton	TSS per Ton	
					\$297.9117895	\$566.4817778	\$338.3761249	
			BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	
5511	Novartis Groundwater	4	2	3	1.296	0.0108	0.0162	
	Totals:				1.296	0.0108	0.0162	
	Cost Analysis:				\$386.09	\$6.12	\$5.49	\$397.70
5512	Summit Property Co.	03A	31	59	43.421	5.6130	10.6829	
		99	178	147	2.35	1.7443	1.4405	
	Totals:				45.771	7.3573	12.1234	
	Cost Analysis:				\$13,635.72	\$4,167.80	\$4,102.27	\$21,905.79
5513	Celgene Corporation	1	366	414	15.08	23.0154	26.0338	
	Totals:				15.08	23.0154	26.0338	
	Cost Analysis:				\$4,492.51	\$13,037.80	\$8,809.22	\$26,339.53
SUMMIT TOTALS					62.1470	30.3835	38.1734	
					\$18,514.32	\$17,211.73	\$12,916.97	\$48,643.02

## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: UNION

IU #	INDUSTRY	SITE	Concentration		Cost Factors			ANNUAL PAYMENT
			BOD (mg/l)	TSS (mg/l)	Flow per MG \$297.9117895	BOD per Ton \$566.4817778	TSS per Ton \$338.3761249	
7015	ACuPowder	3 (99) 4	178	147	0.035	0.0260	0.0215	\$787.31
			75	92	1.248	0.3903	0.4788	
					1.283	0.4163	0.5002	
					\$382.22	\$235.82	\$169.27	
7035	American Products	1	244	222	1.02	1.0378	0.9443	\$1,211.29
					1.02	1.0378	0.9443	
					\$303.87	\$587.91	\$319.51	
7045	Breeze /TransTechnology	1	240	465	1.663	1.6643	3.2246	\$2,529.38
					1.663	1.6643	3.2246	
					\$495.43	\$942.81	\$1,091.14	
7060	National Envelope	1	399	991	2.787	4.6371	11.5172	\$7,354.25
					2.787	4.6371	11.5172	
					\$830.28	\$2,626.83	\$3,897.14	
7070	Durex	1	253	170	2.96	3.1228	2.0983	\$3,360.87
					2.96	3.1228	2.0983	
					\$881.82	\$1,769.03	\$710.03	
7077	Electrocatalytic	4	116	130	2.078	1.0052	1.1265	\$1,569.65
					2.078	1.0052	1.1265	
					\$619.06	\$569.41	\$381.18	
7080	Foremost Mfg	2	45	270	15.446	2.8984	17.3907	\$12,128.04
					15.446	2.8984	17.3907	
					\$4,601.55	\$1,641.91	\$5,884.58	
7088	Hanovia	1	15	21	0.45	0.0281	0.0394	\$163.34
					0.45	0.0281	0.0394	
					\$134.06	\$15.95	\$13.33	
7092	International Paint	2	41	75	3.918	0.6699	1.2254	\$1,961.31
					3.918	0.6699	1.2254	
					\$1,167.22	\$379.46	\$414.63	
7105	Stonco Lighting	2	142	252	1.614	0.9557	1.6961	\$1,596.13
					1.614	0.9557	1.6961	
					\$480.83	\$541.39	\$573.90	
7145	Schering	5	47	47	166.589	32.6498	32.6498	\$79,172.24
					166.589	32.6498	32.6498	
					\$49,628.83	\$18,495.50	\$11,047.91	

## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: UNION

IU #	INDUSTRY	SITE	Concentration		Cost Factors			ANNUAL PAYMENT
					Flow per MG	BOD per Ton	TSS per Ton	
					\$297.9117895	\$566.4817778	\$338.3761249	
			BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	
7150	SS Studios	1	365	360	0.141	0.2146	0.2117	
	Totals:				0.141	0.2146	0.2117	
	Cost Analysis:				\$42.01	\$121.57	\$71.62	\$235.20
7155	Tessler & Weiss	22	135	95	1.410	0.7938	0.5586	
	Totals:				1.410	0.7938	0.5586	
	Cost Analysis:				\$420.06	\$449.65	\$189.01	\$1,058.71
7167	Turbo Braze	1	84	88	0.244	0.0855	0.0895	
	Totals:				0.244	0.0855	0.0895	
	Cost Analysis:				\$72.69	\$48.42	\$30.30	\$151.40
7191	Cintas	1	195	159	11.901	9.6773	7.8907	
	Totals:				11.901	9.6773	7.8907	
	Cost Analysis:				\$3,545.45	\$5,482.01	\$2,670.03	\$11,697.49
7192	Merril Corporation	1	1059	995	0.659	2.9102	2.7343	
	Totals:				0.659	2.9102	2.7343	
	Cost Analysis:				\$196.32	\$1,648.55	\$925.22	\$2,770.10
7193	Lioni Latticini	1	15512	9457	7.007	453.2481	276.3259	
		1	178	147	0.182	0.1351	0.1116	
	Totals:				7.189	453.3832	276.4374	
	Cost Analysis:				\$2,141.69	\$256,833.30	\$93,539.83	\$352,514.82
UNION TOTALS					221.3520	516.1500	360.3346	
					\$65,943.37	\$292,389.54	\$121,928.64	\$480,261.55

## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: ELIZABETH

IU #	INDUSTRY	SITE	Cost Factors					ANNUAL PAYMENT
			Concentration	Flow per MG	BOD per Ton	TSS per Ton		
				\$263.5303935	\$566.4817778	\$338.3761249		
			BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	
0025	Interbake Foods	3	245	137	39.514	40.3695	22.5740	
	Totals:				39.514	40.3695	22.5740	
	Cost Analysis:				\$10,413.14	\$22,868.57	\$7,638.49	\$40,920.20
0033	Cargill Citro Pure	1	1174	397	1.255	6.1440	2.0776	
	Totals:				1.255	6.1440	2.0776	
	Cost Analysis:				\$330.73	\$3,480.44	\$703.02	\$4,514.19
0037	Deb-EI Foods	1	1376	299	2.820	16.1809	3.5161	
	Totals:				2.820	16.1809	3.5161	
	Cost Analysis:				\$743.16	\$9,166.20	\$1,189.75	\$11,099.11
0062	Garcia Laundry	2	493	337	3.457	7.1069	4.8581	
	Totals:				3.457	7.1069	4.8581	
	Cost Analysis:				\$911.02	\$4,025.95	\$1,643.86	\$6,580.83
0067	Purepac Pharmaceutical	3	1263	571	14.047	73.9815	33.4469	
	Totals:				14.047	73.9815	33.4469	
	Cost Analysis:				\$3,701.81	\$41,909.16	\$11,317.63	\$56,928.60
0070	LORCO	2	5400	121	17.602	396.3618	8.8814	
	Totals:				17.602	396.3618	8.8814	
	Cost Analysis:				\$4,638.66	\$224,531.76	\$3,005.27	\$232,175.69
0075	Mastercraft Electroplating	1 99	1 178	3 147	0.011 0.035 0.0460	0.0000 0.0260 0.0260	0.0001 0.0215 0.0216	
	Totals:				0.0460	0.0260	0.0216	
	Cost Analysis:				\$12.12	\$14.74	\$7.31	\$34.17
0078	Magnolia Beef	1 99	628 178	397 147	0.208 0.075 0.283	0.5447 0.0557 0.600	0.3443 0.0460 0.3903	
	Totals:				0.283	0.600	0.3903	
	Cost Analysis:				\$74.58	\$340.10	\$132.07	\$546.75
0091	NJ Turnpike Authority	1	2	2	0.866	0.0072	0.0072	
	Totals:				0.866	0.0072	0.0072	
	Cost Analysis:				\$228.22	\$4.09	\$2.44	\$234.75
0093	OENJ	4	7	49	10.662	0.3112	2.1786	
	Totals:				10.662	0.3112	2.1786	
	Cost Analysis:				\$2,809.76	\$176.30	\$737.17	\$3,723.24
0098	Olympia Trails	1 99	547 178	233 147	1.469 0.386 1.855	3.3508 0.2865 3.6373	1.4273 0.2366 1.6639	
	Totals:				1.855	3.6373	1.6639	
	Cost Analysis:				\$488.85	\$2,060.46	\$563.03	\$3,112.33
0100	Michaels Foods - North Avenue Facility	4 4a 4b 99	2339 1532 1418 178	704 362 276 147	83.343 11.490 4.756 1.319 100.908	812.8968 73.4032 28.1225 0.9790 915.4015	244.6684 17.3446 5.4738 0.8085 268.2953	
	Totals:				100.908	915.4015	268.2953	
	Cost Analysis:				\$26,592.32	\$518,558.28	\$90,784.72	\$635,935.33

## JOINT MEETING OF ESSEX &amp; UNION COUNTIES

## INDUSTRIAL USER CHARGE - 2007

Municipality: ELIZABETH

			Cost Factors					
			Concentration		Flow per MG	BOD per Ton	TSS per Ton	
					\$263.5303935	\$566.4817778	\$338.3761249	
IU #	INDUSTRY	SITE	BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	ANNUAL PAYMENT
0105	Michaels Foods - Papetti Plaza Facility	2	3860	664	74.046	1191.8592	205.0245	
		2a	2777	378	8.920	103.2944	14.0602	
		2b	2278	328	1.83	17.3836	2.5030	
		3	389	612	0.891	1.4453	2.2739	
	Totals:				85.687	1313.9826	223.8616	
	Cost Analysis:				\$22,581.13	\$744,347.19	\$75,749.42	\$842,677.74
	0120	Phelps Dodge	1	12	39	4.581	0.2292	0.7450
99			178	147	0.221	0.1640	0.1355	
Totals:					4.802	0.3933	0.8805	
Cost Analysis:					\$1,265.47	\$222.78	\$297.93	\$1,786.19
0148	Superior Powder Coating	1	30	60	2.598	0.3250	0.6500	
		99	178	147	0.579	0.4298	0.3549	
	Totals:				3.177	0.7548	1.0049	
	Cost Analysis:				\$837.24	\$427.57	\$340.05	\$1,604.85
0155	Duro Bag	1	84	85	10.927	3.8275	3.8731	
		2	78	106	3.644	1.1852	1.6107	
		3	242	262	1.328	1.3401	1.4509	
	Totals:				15.899	6.3529	6.9347	
Cost Analysis:				\$4,189.87	\$3,598.80	\$2,346.53	\$10,135.20	
0165	Wakefern Food Corp.	2	193	183	4.029	3.2426	3.0746	
		3a	328	374	3.916	5.3561	6.1073	
		4	308	664	1.094	1.4051	3.0292	
		7	56	33	0.210	0.0490	0.0289	
	Totals:				9.249	10.0529	12.2399	
Cost Analysis:				\$2,437.39	\$5,694.76	\$4,141.70	\$12,273.86	
0175	Prince Donut Co.	3	3334	1653	3.587	49.8693	24.7252	
		99	178	147	0.333	0.2472	0.2041	
	Totals:				3.920	50.1164	24.9294	
Cost Analysis:				\$1,033.04	\$28,390.05	\$8,435.50	\$37,858.59	
0178	814 Americas	1	1119	770	1.394	6.5047	4.4760	
		2	276	92	0.371	0.4270	0.1423	
		99	178	147	0.081	0.0601	0.0497	
	Totals:				1.846	6.9918	4.6680	
Cost Analysis:				\$486.48	\$3,960.75	\$1,579.53	\$6,026.76	
0183	Topps Meat Company	1	551	172	2.831	6.5047	2.0305	
		2	923	362	0.708	2.7250	1.0688	
	Totals:				3.539	9.2297	3.0993	
Cost Analysis:				\$932.63	\$5,228.48	\$1,048.72	\$7,209.82	
ELIZABETH TOTALS					321.4340	2,858.0027	625.5292	
					\$84,707.63	\$1,619,006.43	\$211,664.15	\$1,915,378.21