December 19, 2008

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 2009)

I present herewith the 74th 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, 2007 through October 31, 2008. 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 2009. 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 2008, 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 21, 2007.

During 2008, 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 (2009) dwelling unit figures formulated by each municipality in 2008.

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, 366 day period of November 1, 2007, through October 31, 2008 and projected for a twelve (12) month period in 2009. 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 2009, 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 366 day period from November 1, 2007, through October 31, 2008, and projected for 2009 and are based upon actual 2007-2008 operating statistics as well as a recent upgraded 2008 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. 2.	Flow BOD TSS	23,176.7140 17,552.6970 13,498.4107	Tons/Year		63.3244 95,916.3770 73,761.8071	Lbs/Day
3.	Estimated Indus			MG/Year	2.0051	
4.	Estimated Indus	strial BOD	4,264.1246	Tons/Year	23,301.2273	Lbs/Day
5.	Estimated Indus	strial TSS	851.4519	Tons/Year	4,652.7426	Lbs/Day
6.	Estimated Total	Operating Ex	penses in 2009			
					\$17,114,838	STP
					6,402,396	SDWF
					566,020	SDF
				_	637,290	Sewers
				•	\$24,720,544	Total
7.	Estimated Total	Dwelling Uni	its in System			
					151,308	JM Members
					47,181	Elizabeth
					198,489	Total

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

Flow	30.2832499%
BOD	46.4423122%
Suspended Solids	23.2744379%

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 2009 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 2009

Treatment Plant

		Domestic &	
_	Total for 2009	Commercial	Industrial
Flow	23,176.7140 MG/Yr. ¹	22,442.8600 MG/Yr.	733.8540 MG/Yr.
BOD	17,552.6970 Tons/Yr. ¹	13,288.5724 Tons/Yr.	4,264.1246 Tons/Yr.
Suspended Solids	13,498.4107 Tons/Yr. 1	12,646.9588 Tons/Yr.	851.4519 Tons/Yr.

(1) Based upon data from November 1, 2007 thru October 31, 2008 (366 days)

Cost Allocation

		Domestic &	
	Total for 2009	Commercial	Industrial
Flow	\$7,293,192.00	\$7,062,265.00	\$230,927.00
BOD	11,184,820.00	8,467,661.00	2,717,159.00
Suspended Solids	5,605,242.00	5,251,675.00	353,567.00
-	\$24,083,254.00	\$20,781,601.00	\$3,301,653.00
	100.000000%	86.29066900%	13.70933100%

Elizabeth Contribution

Flow	-	5,829.6760	MG/Yr.
BOD	-	7,713.2205	Tons/Yr.
TSS	-	3,588.9400	Tons/Yr.

Trunk Sewer Flow 1

	Domestic &	
Total for 2009	Commercial	Industrial
17,347.0380 MG/Yr. ²	16,858.0670 MG/Yr.	488.971 MG/Yr.

- (1) Based upon data from November 1, 2007 thru October 31, 2008 (366 days)
- (2) (23,176.714 5,829.6760)

COST ALLOCATION

\$637,290.00 \$619,326.34 \$17,963.66

Member municipalities will be assessed \$4.09 (\$619,326.34/151,380) for trunk sewer O&M per equivalent dwelling unit.

The estimated cost for treating industrial wastes has been determined to be \$314.68 per MG for flow, \$637.21 per ton of BOD, and \$415.25 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	\$230,927.00	/	733.8540 =	\$314.6770339	/MG
BOD	\$2,717,159.00	/	4,264.1246 =	\$637.2137906	/Ton
Suspended Solids	\$353,567.00	/	851.4519 =	\$415.2518774	/Ton

All industries within the member municipalities (excluding Elizabeth) will be required to pay an additional \$36.74/MG of flow for trunk sewer use (\$17,963.66/488.971 = \$36.738/MG). This brings the total flow cost to \$351.42/MG (\$314.677 + \$36.74) for the indicated industries of member municipalities.

Based upon the user charges for 2009, 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 2008 industrial waste survey of the service area. These are estimates for 2009 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 \$24,720,544 for 2009. 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 35.9798485% 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
2009

Municipality	Dwelling Units ¹	User Charges Industrial
East Orange	7,225	\$ -
Hillside	8,530	466,569
Irvington	27,269	108,413
Maplewood	9,461	290,737
Millburn	9,819 4	-
Newark	17,427	-
Roselle Park	4,748	494
South Orange	7,879	-
Summit	14,101 2	71,451 ³
Union	24,993	292,046
West Orange	19,856	-
Elizabeth	47,181 198,489	2,089,911 \$ 3,319,621

⁽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 11/1/2007-10/31/2008 and Projected Contribution for 2009

	Treatment Plant	Elizabeth Pu	mping Station	Joint N	leeting
Flow:	23,176.714 MG	5,829.676	MG	17,347.038	
		Industrial	D&C	Industrial	D&C
		227.872	5,601.804	488.971	16,858.067
		\$ 71,706.09	\$ 1,762,759.07	\$ 171,831.60	\$ 5,924,172.79
	\$ 314.6770339 Per MG f \$ 351.4147136 Per MG f				
Onit Charge	\$ 331,414/130 TELIVIOT	or John Meeting			
BOD:	17,552.697 Tons	7,713.2205	Tons	9,839.4765	Tons
		Industrial	D&C	Industrial	D&C
		2,744.8148	4,968.4057	1,443.4084	8,396.0681
* * ! · C!		\$ 1,749,033.84	\$ 3,165,936.63	\$ 919,759.74	
Unit Charge	\$637.2137906 Per Ton				
TSS:	13,498.4107 Tons	3,588.9400	Tons	9,909.4707	Tons
		Industrial	D&C	Industrial	D&C
	·	506.7883	3,082.1517	332.6045	9,576.8662
		\$ 210,444.79	\$ 1,279,869.28	\$ 138,114.64	
Unit Charge	\$415.2518774 Per Ton				
Onit Charge	\$415.2518//4 Fer Ion		\$ 8,239,749.70	\$ 1,229,705.98	
			\$ 6,239,749.70	j \$ 1,229,703.98	***************************************
	City of Elizabeth (Contribution	on from Pumping Sta	ation)	\$ 8,239,749.70	
	City of Elizabeth (Industry Tr	ributary to Joint Mee	eting Trunk)		
	Flow: 17.0110	MG/Year at	\$ 314.6770339	5,352.97	
	BOD: 75.9014	Tons/Year at	637.2137906	48,365.42	
	TSS: 12.0591	Tons/Year at	415.2518774	5,007.56	
	Joint Meeting Industrial			1,229,705.98	
	Subtotal			\$ 9,528,181.63	
	Total 2009 Budget		\$ 24,720,544.00		
	Subtotal (above)		(9,528,181.63)		
	Subtotal (EDU's)		\$ 15,192,362.37		

Joint Meeting EDU's (X + Y) + Elmora EDU's (X)= \$ 15,192,362

(Y = Additional Assessment to Member Municipalities for Trunk Sewer O&M)

151,308 (X + \$4.093149999) + 3905 (X) = \$15,192,362

Equivalent Units-Member Municipalities 151,308

Elmora EDU's = 3,905 \$93.8905634840 Per Unit = X

\$97.9837134830 Per Unit = X+Y

Joint Meeting EDU Assessment \$ 14,825,719.72

Elmora Area Assessment \$ 366,642.65

Total Anticipated Payment from the City of Elizabeth

Pumping Station \$ 8,239,749.70

Elmora EDU's 366,642.65

Elmora Industrial 58,725.95

\$ 8,665,118.30

Total Anticipated Payment from Member Municipalities

EDU's 14,825,719.72

Industrial 1,229,705.98

\$ 16,055,425.70

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

\$ 8,665,118.30 / \$ 24,083,254.00 = 35.9798485%

Table IV
Joint Meeting of Essex and Union Counties
Percent Allocation of Infiltration / Inflow

			Base Year - 1982	r - 1982			Base Year - 1982	1982		
	Capacity By	Capacity By Capacity By	Phase IIB - SSES 1	- SSES 1			Phase IIB - SSES 2	SES 2		
	Contract	Contract	Infiltration	ation	SSES - November 2008	1ber 2008	Inflow		SSES - November 2008	er 2008
Municipality	(MGD)	(Percent)	(GPD) ³	(Percent)	(GPD) ⁴	(Percent)	(GPD)	(Percent)	(GPD) ⁵	(Percent)
					39,478				274,104	
East Orange	5.50	4.88%	70,747	2.11%	44,022	2.18%	3,007,440	5.79%	218,160	0.53%
					29,699				1,489,472	
Hillside	12.20	10.83%	79,012	2.36%	32,980	1.64%	1,185,120	2.28%	1,185,120	2.88%
					715,498				9,805,692	
Irvington	18.61	16.52%	1,115,672	33.31%	797,026	39.51%	8,612,640	16.57%	7,791,840	18.96%
					179,101				2,689,325	
Maplewood	7.08	6.29%	389,078	11.62%	199,485	%68.6	5,449,680	10.48%	2,137,680	5.20%
					136,725				2,999,632	
Millburn	00.9	5.33%	191,609	5.72%	152,240	7.55%	2,729,520	5.25%	2,384,640	2.80%
					165,700				2,456,595	
Newark	15.50	13.76%	234,484	7.00%	184,463	9.15%	1,959,540	3.77%	1,951,200	4.75%
					58,493				1,985,963	
Roselle Park	9.44	8.38%	106,187	3.17%	65,147	3.23%	1,576,080	3.03%	1,576,080	3.84%
					75,335				2,591,061	
South Orange	7.00	6.22%	410,876	12.27%	83,906	4.16%	2,183,760	4.20%	2,059,920	5.01%
					58,312				2,358,331	
Summit	7.50	%99.9	171,657	5.13%	64,916	3.22%	3,651,120	7.02%	1,872,720	4.56%
					213,690				16,575,551	
Union	10.30	9.14%	329,127	9.83%	238,013	11.80%	14,534,640	27.96%	13,170,240	32.05%
					139,079				8,492,062	
West Orange	13.50	11.99%	250,811	7.48%	154,847	7.68%	7,097,040	13.65%	6,744,600	16.42%
					1,811,110				51,717,788	
	112.63	100.00%	3,349,260	100.00%	2,017,045	100.01%	51,986,580	100.00%	41,092,200	100.00%

⁽¹⁾ Identified by Hazen & Sawyer Phase IIB SSES (pg. S-2) with trunk sewer infiltration allocated based on contract capacity.

⁽²⁾ Identified by Hazen & Sawyer Phase IIB SSES (pg. S-3)

^{(3) &}quot;Base Year - 1982" Infiltration: 3.35 MGD / 52.79 MGD = 6.346%

⁻ Adjusted for period 11/1/2007 - 10/31/2008; $(3.82079939\% \times 17,347.0380 = 662.79 \, MG \, / \, Year \, / \, 366 = 1,811,110 \, GPD)$ (4) 2008 - Infiltration related to base year total = $2.017 \,\mathrm{MGD}$ / $52.79 \,\mathrm{MGD}$ = 3.82079939%

^{(5) 2008} inflow adjusted for period 11/1/2007 - 10/31/2008 - (41.81" / 33.22") x (41,092,200) = 51,717,788 GPD

Table IV - A
Joint Meeting of Essex and Union Counties
Adjusted 2008 - Summary of Infiltration and Inflow

	Phase IIB	2	2008	•	Phase IIB		2008	
	SSES	2007	Infiltration	2008	SSES	2007	Inflow	2008
	Infiltration	Infiltration	Removed	Infiltration	Inflow	Inflow	Removed	Inflow
Municipality	(GPD)	(GPD)	(GPD)	(GPD)	(GPD)	(GPD)	(GPD)	(GPD)
East Orange	70,747	44,022	ı	44,022	3,007,440	218,160	1	218,160
	•	•		•	1			
Hillside	79,012	32,980	ı	32,980	1,185,120	1,185,120	1	1,185,120
Irvington	1,115,672	797,026	1	797,026	8,612,640	7,791,840	ı	7,791,840
Maplewood	389,078	199,485	•	199,485	5,449,680	2,137,680	ı	2,137,680
Millburn	191,609	152,240	1	152,240	2,729,520	2,384,640	I	2,384,640
Newark	234,484	184,463	1	184,463	1,959,540	1,951,200	1	1,951,200
Roselle Park	106,187	65,147	ı	65,147	1,576,080	1,576,080	ı	1,576,080
South Orange	410,876	83,906	ı	83,906	2,183,760	2,059,920	1	2,059,920
Summit	171,657	64,916	ı	64,916	3,651,120	1,872,720	1	1,872,720
Union	329,127	238,013	ı	238,013	14,534,640	13,170,240	ı	13,170,240
West Orange Total	3,349,260	2,017,045	1 1	2,017,045	7,097,040	6,744,600		6,744,600

Table V Joint Meeting of Essex and Union Counties

			Cost Allocation - Flow, BOD & TSS with Infiltration / Inflow	w, BOD & TSS wit	th Infiltration / Infl	low	
			Total	Dome	Domestic & Commercial		Industrial
Flow			17,347.0380 MG		16,858.0670 MG	Ŋ	488.9710 MG
			\$5,670,649.27		\$5,498,817.67		
							\$171,831.60
Infiltration		3.8207994%	662.79		644.11	\$210,097.84	18.68
Inflow		9.9399102%	1,724.28		1,675.68	\$546,578.61	48.6
BOD	at	\$637.2137906 Per Ton	9,839.4765 Tons		8,396.0681 Tons	ons	1,443.4084 Tons
			\$6,269,850.12		\$5,350,090.38		\$919,759.74
TSS	at	\$415.2518774 Per Ton	9,909.4707 Tons		9,576.8662 Tons	suc	332.6045 Tons
			\$4,114,926.31		\$3,976,811.67		\$138,114.64
Total			\$16,055,425.70 1		\$14,825,719.72		\$1,229,705.98
(1) Amount a	nticipat	(1) Amount anticipated from Members after allocation of		35.9798485% to City of Elizabeth	of Elizabeth \$	8,665,118.30	
"Base Year - 1982" Infiltration: 3.35 M	1982" 3.35 M	"Base Year - 1982" Infiltration: 3.35 MGD / 52.79 MGD =	6.34590% (Per I	6.34590% (Per H&S Phase IIB Report)	(tu		
Inflow:	113 MC	113 MGD (Excluding Elizabeth) / 137 MGD (Total) =	O (Total) =		82.4817518% 1	82.4817518% 1 inch of rain = 50 mg of inflow (Per H&S Phase IIB Report)	(Per H&S Phase IIB Report)
"2007 - 2008" Infiltration: (<u>"</u> 2.017 N		3.82079939%	×	17,347.0380	662.8 MG / Year	
				(Nove	(November 1, 2007 - October 31, 2008)	ober 31, 2008)	
Inflow:	Rainfal	Rainfall = 41.81 Inches X 50 MG X 82.482%	%	1,724.28 MG / Year	Year		

(546,578.61) \$14,069,043.27

Net after infiltration and inflow Equivalent Dwelling Units User Charge Per Unit

Less: Infiltration Less: Inflow

Total D&C

(210,097.84) \$14,825,719.72

151,308 \$92.9828116821318

Table VI Joint Meeting of Essex and Union Counties Estimated Annual Operation Expenses To Member Municipalities 2009

					6007				
				Do	Domestic & Commercial	nercial			
	Dayolling	٠	User Charge	15-1		*	5		
Municipality	Units	9	Per Unit	Percent 1	Amount	Percent 2	Amount	Total Cost	Unit Cost
East Orange	7,225		\$671,800.81	2.18%	\$4,580.13	0.53%	\$2,896.87	\$679,277.81	\$94.0177
Hillside	8,530		793,143.38	1.64%	3,445.60	2.88%	15,741.46	812,330.44	95.2322
Irvington	27,269		2,535,548.29	39.51%	83,009.66	18.96%	103,631.30	2,722,189.25	99.8272
Maplewood	9,461		879,710.38	%68.6	20,778.68	5.20%	28,422.09	928,911.15	98.1832
Millburn	9,819 ³		912,998.23	7.55%	15,862.39	2.80%	31,701.56	960,562.18	97.8269
Newark	17,427		1,620,411.46	9.15%	19,223.95	4.75%	. 25,962.48	1,665,597.89	95.5757
Roselle Park	4,748		441,482.39	3.23%	6,786.16	3.84%	20,988.62	469,257.17	98.8326
South Orange	7,879		732,611.57	4.16%	8,740.07	5.01%	27,383.59	768,735.23	97.5676
Summit	14,101 4		1,311,150.63	3.22%	6,765.15	4.56%	24,923.98	1,342,839.76	95.2301
Union	24,993		2,323,919.41	11.80%	24,791.55	32.05%	175,178.44	2,523,889.40	100.9839
West Orange	19,856	١	1,846,266.71	7.68%	16,135.51	16.42%	89,748.21	1,952,150.43	98.3154
	006,101	9	\$14,007,045.40	100.0170	3210,110.03	100.0070	\$240,278.00	514,023,740.71	\$95.9708 2008
	(1) See Table	- VI	(1) See Table IV - Infiltration for November of the Prior Year	lovember of th	e Prior Year				\$89.5386 2007
	(2) See Table	- VI	(2) See Table IV - Inflow for November of the Prior Year	mber of the Pri	ior Year				\$94.7379 2006
	(3) Includes Livingston (409)(4) Includes New Providence	Living New J	(3) Includes Livingston (409)(4) Includes New Providence (3553)	3)					\$90.2139 2005

Table VI (Continued)
Joint Meeting of Essex and Union Counties
Estimated Annual Operation Expenses To Member Municipalities
2009

				Ind	Industrial					
						Flow (M	Flow (MG / Year)			
	BOD	BOD 1	TSS	TSS 2	Dry	Infiltration	Inflow		Flow 3	Total
Municipality	(Tons / Year)	(\$/Year)	(Tons / Year)	(\$/Year)	Weather	3.820799%	9.939910%	Total	(\$/Year)	Cost
East Orange	0.0000	\$0.00	0.0000	\$0.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00
Hillside	654.7372	417,207.57	47.2813	19,633.65	72.95	3.23	8.41	84.59	29,726.52	466,567.74
Irvington	112.6934	71,809.79	42.0073	17,443.61	47.02	2.08	5.42	54.52	19,159.13	108,412.53
Maplewood	413.6628	263,591.64	29.6274	12,302.83	36.42	1.61	4.20	42.24	14,842.35	290,736.82
Millburn	0.0000	0.00	0.0000	0.00	0.00	00.00	0.00	0.00	0.00	0.00
Newark	0.0000	0.00	0.0000	0.00	0.00	00.00	0.00	00.00	0.00	0.00
Roselle Park	0.1661	105.84	0.1845	76.61	0.76	0.03	0.09	0.89	311.00	493.45
South Orange	0.0000	0.00	0.0000	0.00	0.00	00.00	0.00	00.00	0.00	0.00
Summit 4	35.0480	22,333.07	39.2103	16,282.15	80.58	3.57	9.29	93.44	32,834.79	71,450.01
Union	227.1009	144,711.83	174.2937	72,375.79	183.95	8.15	21.20	213.30	74,957.81	292,045.43
West Orange	0.0000	0.0000 1,443.4084 \$ 919,759.74	0.0000	\$138,114.64	0.00	0.00	0.00	0.00	\$171,831.60	\$1,229,705.98

⁽¹⁾ At \$637.2137906/Ton (2) At \$415.2518774/Ton (3) At \$351.4147136/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
2009

		Domestic & Co	mmercial		
Municipality	Total Assessments ¹	User Charge Domestic Sewage 92.98281168	User Charges Industrial	Infiltration / Inflow Charges	Assessment Percentage
East Orange	\$679,277.81	\$671,800.81	\$0.00	\$7,477.00	4.2308%
Hillside	1,278,898.18	793,143.38	466,567.74	19,187.06	7.9655%
Irvington	2,830,601.78	2,535,548.29	108,412.53	186,640.96	17.6302%
Maplewood	1,219,647.97	879,710.38	290,736.82	49,200.77	7.5965%
Millburn	960,562.18	912,998.23	0.00	47,563.95	5.9828%
Newark	1,665,597.89	1,620,411.46	0.00	45,186.43	10.3740%
Roselle Park	469,750.62	441,482.39	493.45	27,774.78	2.9258%
South Orange	768,735.23	732,611.57	0.00	36,123.66	4.7880%
Summit	1,414,289.77	1,311,150.63	71,450.01	31,689.13	8.8088%
Union	2,815,934.83	2,323,919.41	292,045.43	199,969.99	17.5388%
West Orange	1,952,150.43	1,846,266.71	0.00	105,883.72	12.1588%
	\$16,055,446.69	\$14,069,043.26	\$1,229,705.98	\$756,697.45	100.0000%
Elizabeth	8,665,097.31				
Total	\$24,720,544.00				

(1) Reflects anticipated payment of \$8,665,097.31 from the City of Elizabeth which is 35.9798485% of allocation from Treatment Plant, Sludge Dewatering, and Sludge Drying budget. Exact 2009 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.

Table VIII

Joint Meeting of Essex and Union Counties

Comparison of 2009 Assessment with 2008 Assessment

				Compa	arison
Municipality	2008	2009		Amount	Percentage
East Orange	\$662,167.61	\$679,277.81	(+)	\$17,110.20	2.58%
Hillside	1,173,565.12	1,278,898.18	(+)	105,333.06	8.98%
Irvington	2,736,006.08	2,830,601.78	(+)	94,595.70	3.46%
Maplewood	1,183,207.51	1,219,647.97	(+)	36,440.46	3.08%
Millburn	938,999.17	960,562.18	(+)	21,563.01	2.30%
Newark	1,627,428.90	1,665,597.89	(+)	38,168.99	2.35%
Roselle Park	459,904.05	469,750.62	(+)	9,846.57	2.14%
South Orange	750,420.69	768,735.23	(+)	18,314.54	2.44%
Summit	1,376,544.58	1,414,289.77	(+)	37,745.19	2.74%
Union	2,744,742.66	2,815,934.83	(+)	71,192.17	2.59%
West Orange	1,920,213.68	1,952,150.43	(+)	31,936.75	1.66%
_	\$15,573,200.05	\$16,055,446.69	(+)	\$482,246.64	3.10%
Elizabeth	7,575,171.82	8,665,097.31	(+)	\$ 1,089,925.49	14.39%
Total	\$23,148,371.87	\$24,720,544.00	(+)	\$1,572,172.13	6,79%

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

City of Elizabeth percentage

2005	31.38459700%
2006	32.13021810%
2007	32.78089120%
2008	33.62887370%

Table III, IV, V, VI, and VII, have been prepared to reflect the Domestic Sewer Usage and Industrial User assessment to each municipality for 2009 as a result of the Agreement with the City of Elizabeth which requires 35.9798485% of the 2009 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 35.9798485 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 2008.

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 2009 are apportioned as follows:

	2009	2008		2009	2008
East Orange	4.2308%	4.2520%	Roselle Park	2.9258%	2.9532%
Hillside	7.9655%	7.5358%	South Orange	4.7880%	4.8187%
Irvington	17.6302%	17.5687%	Summit	8.8088%	8.8392%
Maplewood	7.5965%	7.5977%	Union	17.5388%	17.6248%
Millburn	5.9828%	6.0296%	West Orange	12.1588%	12.3301%
Newark	10.3740%	10.4502%	Total	100.0000%	100.0000%

Respectfully submitted,

a. Rolph de merdele

A. Ralph LaMendola Chief Engineer

Joint Meeting of Essex and Union Counties Annual Report of the Sewer Contribution of the Municipalities Appendix A 2009 Budget

	Tı	reatment Plant	D	ewatering Facility	Drying Facility	-	Sewer	terrore e	Total
Electric Service	\$	1,899,963	\$	216,824	\$ 28,225	\$	-	\$	2,145,012
Gas Service		28,200		7,000	24,000		-		59,200
Fuel, Oil & Kerosene		163,500		260,500	•		-		424,000
Water Service		187,000		62,000	3,500		-		252,500
Chemicals		1,030,950		788,900	6,800		2,200		1,828,850
Sludge Disposal		-		2,232,707	-		-		2,232,707
Insurance		481,872		121,008	56,295		6,950		666,125
Administration		1,387,000		790,000	20,000		145,000		2,342,000
Labor		5,310,000		880,000	125,000		9,000		6,324,000
Benefits		2,533,420		434,040	47,200		63,190		3,077,850
Equipment		263,000		10,000	-		-		273,000
Printing & Stationery		15,000		2,000	-		1,000		18,000
Maintenance, Supplies & Spare Parts		1,204,933		409,917	5,000		256,750		1,876,600
Screening Disposal		130,000		-	-		-		130,000
Reserve Contingency		170,000		-	-		-		170,000
Miscellaneous Expenses		167,500		87,500	-		120,000		375,000
Technical & Professional Services		415,500		80,000	-		25,000		520,500
Replacement Fund		1,250,000		-	-		-		1,250,000
NJPDES & Miscellaneous Permit Fee:	:	477,000		20,000	250,000		8,200		755,200
	\$ 1	7,114,838	\$	6,402,396	\$ 566,020	\$	637,290	\$	24,720,544
		69.23%		25.90%	2.29%		2.58%		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	Po	ercent SS		Cost SS	Percent BOD	(Cost BOD
General Expenditures 1	\$ 2,110,772	80%	\$	1,688,618		10%	\$	211,077	10%	\$	211,077
Power	1,899,963	40%	\$	759,985		5%	\$	94,998	55%	\$	1,044,980
Chlorine	696,000	40%	\$	278,400					60%	\$	417,600
Maintenance, Equipment	,										
Supplies, Spare Parts, & Replacement Fund	2,887,933	28%	\$	808,621		27%	\$	779,742	45%	\$	1,299,570
Fuel, Oil & Kerosene	163,500	40%	\$	65,400		30%	\$	49,050	30%	\$	49,050
Administration, Labor & Benefits											
(Payroll Retirement)	9,230,420	40%		3,692,168		10%	\$	923,042	50%	\$	4,615,210
Sludge Processing 2 Total	126,250 \$17,114,838 100%		-\$ 42	7,293,192 2.6132693%	**	50%	\$ \$ 12	63,125 2,121,034 .3929540%	50%	\$ \$ 44	63,125 7,700,612 1.9937767%
(1) General Expenditures (From the Approved Bud			(2)	Sludge Proce	essing						
Insurance Technical & Professional Stationery & Printing Gas Water Miscellaneous	Services	\$ 481,872 415,500 15,000 28,200 187,000 167,500		lymer MnO4	\$	74,000 52,250					

126,250

130,000

477,000

208,700 \$2,110,772

Service Contracts

Sodium Bisulfite & Misc. Chemicals

Permit Fees

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

Operations and Management Allocations

	1			
	Estimated			
	Total Cost	Cost Flow	Cost TSS	Cost BOD
Treatment Plant	\$ 17,114,838	\$ 7,293,192	\$ 2,121,034	\$ 7,700,612
Dewatering Facility	6,402,396		3,201,198	3,201,198
Drying Facility	566,020		283,010	283,010
	\$ 24,083,254	\$ 7,293,192	\$ 5,605,242	\$11,184,820
Subtotal	100.00%	30,2832499%	23.2744379%	46.4423122%
Sewers 1	\$ 637,290			
Total	\$ 24,720,544			

⁽¹⁾ Joint Meeting Members Only

INDUSTRIAL USER CHARGE - 2009 SUMMARY

	FLOW	LOADINGS	TSS	
MUNICIPALITY		BOD		
HILLSIDE	(MG) 84.591	(tons) 654.73719606	(tons) 47.28127395	
IRVINGTON	54.520	112.69344102	42.00729147	
MAPLEWOOD	42.236	413.66281155	29.62742049	
MURRAY HILL	31.125	10.49654052	5.41136313	
ROSELLE PARK	0.885	0.16607025	0.18452250	
SUMMIT	62.311	24.55150467	33.79886748	
UNION	213.303	227.10090216	174.29365680	
MEMBERS TOTAL	488.971	1443.40846623	332.60439582	
ELIZABETH	244.883	2820.71624835	518.84742948	
GRAND TOTAL	733.854	4264.12471458	851.45182530	
		COSTS		
MUNICIPALITY	FLOW	BOD	TSS	TOTAL
HILLSIDE	\$29,726.52	\$417,207.57	\$19,633.64	\$466,567.73
IRVINGTON	\$19,159.13	\$71,809.81	\$17,443.61	\$108,412.55
MAPLEWOOD	\$14,842.35	\$263,591.65	\$12,302.84	\$290,736.84
MURRAY HILL	\$10,937.78	\$6,688.54	\$2,247.08	\$19,873.40
ROSELLE PARK	\$311.00	\$105.82	\$76.62	\$493.45
SUMMIT	\$21,897.00	\$15,644.56	\$14,035.04	\$51,576.60
UNION	\$74,957.81	\$144,711.83	\$72,375.77	\$292,045.41
MEMBERS TOTAL	\$171,831.60	\$919,759.78	\$138,114.60	\$1,229,705.98
ELIZABETH	\$77,059.06	\$1,797,399.29	\$215,452.37	\$2,089,910.72
GRAND TOTAL	\$248,890.66	\$2,717,159.07	\$353,566.97	\$3,319,616.70

INDUSTRIAL USER CHARGE - 2009 COST FACTORS

FLOW BOD TSS

MEMBER MUNICIPALITIES \$351.4147136 \$637.2137906 \$415.2518774

ELIZABETH \$314.6770339 \$637.2137906 \$415.2518774

INDUSTRIAL USER CHARGE - 2009

Municipality: HILLSIDE

			Concenti	ration	Flow per MG \$851.4447136	Cost Factors BOD per stons \$637 2137906	TSS.per Ton \$415,2518774.	
IU#	INDUSTRY	SITE	BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	ANNUAL PAYMENT
1035	ECD Totals: Cost Analysis:	2 3	28 289	3 554	10.836 0.288 11.124 \$3,909.14	1.2652 0.3471 1.6123 \$1,027.37	0.1356 0.6653 0.8009 \$332.57	\$5,269.08
1042	GEC Marconi / BAE Totals: Cost Analysis:	1	1	2	9.916 9.916 \$3,484.63	0.0413 0.0413 \$26.35	0.0827 0.0827 \$34.34	\$3,545.32
1050	Manhattan Drug Co. Totals: Cost Analysis:	4	380	229	0.537 0.537 \$188.71	0.8509 0.8509 \$542.22	0.5128 0.5128 \$212.94	\$943.87
1054	Oasis Foods Totals: Cost Analysis:	3 99	1719 187	313 142	5.765 1.378 7.143 \$2,510.16	41.3248 1.0746 42.3994 \$27,017.48	7.5245 0.8160 8.3405 \$3,463.41	\$32,991.05
1058	Quest Industries Totals: Cost Analysis:	1 2	294 175	360 281	0.005 0.246 0.251 \$88.21	0.0061 0.1795 0.1856 \$118.30	0.0075 0.2883 0.2958 \$122.82	\$329.32
1090	Union Beverages Totals: Cost Analysis:	1 2	2735 1435	94 2136	51.853 1.707 53.56 \$18,821.77	591.3809 10.2146 601.5955 \$383,344.93	20.3253 15.2045 35.5298 \$14,753.81	\$416,920.52
1091	Hillside Bottling Totals: Cost Analysis:	1 2 99	1378 1369 187	69 108 142	0.349 0.541 0.013 0.903 \$317.33	2.0054 3.0884 0.0101 5.1040 \$3,252.34	0.1004 0.2436 0.0077 0.3518 \$146.07	\$3,715.74
1092	A&H Products Totals: Cost Analysis:	1 99	631 187	290 142	1.105 0.052 1.157 \$406.59	2.9076 0.0405 2.9481 \$1,878.57	1.3363 0.0308 1.3671 \$567.68	\$2,852.84
	HILLSIDE TOTALS				84.5910 \$29,726.52	654.7372 \$417,207.57	47.2813 \$1 9,633.64	\$466,567.73

INDUSTRIAL USER CHARGE - 2009

Municipality: IRVINGTON

					(Cost Factors		
					Flow per MG	BOD per Tof	ः - TSS per Ton	
			Concentr	ation	\$351,41471,66	\$637,21379061	\$415.2518774	
			BOD	TSS	FLOW	BOD	TSS	ANNUAL
IU#	INDUSTRY	SITE	(mg/l)	(mg/l)	(MG)	(Tons)	(Tons)	PAYMENT
			,					
2030	Hi-Speed Plating	1	150	14	0.026	0.0163	0.0015	
		99	187	142	0.078	0.0608	0.0462	
	Totals:				0.104	0.0771	0.0477	****
	Cost Analysis:				\$36.55	\$49.12	\$19.81	\$105.48
2036	Intergel	1	1014	141	1.971	8,3341	1.1589	
2000	Totals:	'	701-1		1.971	8,3341	1.1589	
	Cost Analysis:				\$692.64	\$5,310.63	\$481.23	\$6,484.50
2040	Jocely (formerly Jabel)	99	187	142	0.130	0.1014	0.0770	
	Totals:				0.130	0.1014	0.0770	
	Cost Analysis:				\$45.68	\$64.60	\$31.97	\$142.25
	Warra Carreto Faada	4.5	7085	152	0.306	9.0406	0,1940	
2066	Wayne County Foods	1a 1b	6369	242	0.300	7.9676	0.3027	
		99	187	142	0.281	0.2191	0.1664	
	Totals:	99	107	142	0.887	17.2273	0.6631	
	Cost Analysis:				\$311.70	\$10,977.50	\$275.35	\$11,564.55
2072	Clean-Tex Services	1	142	124	48.457	28.6933	25.0561	
		99	187	142	1.255	0.9786	0.7431	
	Totals:				49.712	29.6720	25.7993	
	Cost Analysis:				\$17,469.53	\$18,907.38	\$10,713.20	\$47,090.11
2074	Ciao Bella Gelato	1	8005	1993	1.716	57.2815	14.2613	
2017	Totals:	'	0000		1.716	57.2815	14.2613	
	Cost Analysis:				\$603.03	\$36,500.59	\$5,922.05	\$43,025.67
	IRVINGTON TOTALS				54.5200	112.6934	42.0073	
	INVINOTON TOTALS				\$19,159.13	\$71,809.81	\$17,443.61	\$108,412.55
					+ ,	,,		•

INDUSTRIAL USER CHARGE - 2009

Municipality: MAPLEWOOD

			Concentr	Cost Factors Flow per MG 13 BOD per 101) TSS per 101 Concentration \$551 4147/135 \$637,2437906 \$3475.2518774						
IU#	INDUSTRY	SITE	BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	ANNUAL PAYMENT		
3020	Gleason Cleaners Totals: Cost Analysis:	1 99	228 187	63 142	0.671 0.146 0.817 \$287.11	0.6380 0.1138 0.752 \$479.06	0.1763 0.0865 0.263 \$109.10	\$875.27		
3033	NJ Transit - Hilton Gar. Totals: Cost Analysis:	3a	395	344	7.807 7.807 \$2,743.49	12.8593 12.8593 \$8,194.12	11.1990 11.1990 \$4,650.40	\$15,588.02		
3046	UniClean Totals: Cost Analysis:	1 99	161 187	17 142	2.844 0.208 3.052 \$1,072.52	1.9094 0.1622 2.0716 \$1,320.03	0.2016 0.1232 0.3248 \$134.86	\$2,527.42		
3050	Maplewood Beverage Totals: Cost Analysis:	1	3123	140	30.560 30.560 \$10,739.23	397.9801 397.9801 \$253,598.43	17.8409 17.8409 \$7,408.48	\$271,746.14		
N	MAPLEWOOD TOTALS				42.2360 \$14,842.35	413.6628 \$263,591.65	29.6274 \$12,302.84	\$290,736.84		

INDUSTRIAL USER CHARGE - 2009

Municipality: MURRAY HILL

	Cost Factors							
			Concentr	ation	Flow per; MG \$651 4147136	(B(C)D par./Torr ∰637 /2(137/9/06)	5773S par Tori \$415.2518774	
			BOD	TSS	FLOW	BOD	TSS	ANNUAL
IU#	INDUSTRY	SITE	(mg/l)	(mg/l)	(MG)	(Tons)	(Tons)	PAYMENT
5010	Bell Labs / Lucent	1	3	5	22.952	0.2871	0.4785	
	Totals:				22,952	0.2871	0.4785	
	Cost Analysis:				\$8,065.67	\$182.96	\$198.72	\$8,447.35
5011	Baxter Pharmaceutical	1	513	826	0.780	1,6686	2.6866	
	Totals:				0.780	1,6686	2.6866	
	Cost Analysis:				\$274.10	\$1,063.24	\$1,115.64	\$2,452.98
5020	Fablok Mills	4	408	89	4.681	7.9641	1,7373	
	Totals:				4.681	7.9641	1.7373	
	Cost Analysis:				\$1,644.97	\$5,074.81	\$721.40	\$7,441.19
5021	FRC-Electrical Ind	1	51	45	2.712	0.5768	0.5089	
	Totals:		•		2.712	0.5768	0.5089	
	Cost Analysis:				\$953.04	\$367.52	\$211.32	\$1,531.88
M	URRAY HILL TOTALS				31.1250	10.4965	5.4114	
					\$10,937.78	\$6,688.54	\$2,247.08	\$19,873.40

INDUSTRIAL USER CHARGE - 2009

Municipality: ROSELLE PARK

	15 25 377/4	37 21 37906 \$4	7136 - \$6
ANNUAL	TSS	BOD	FLOW
PAYMENT	(Tons)	(Tons)	(MG)

Cost Factors

			Concentration		\$35 [4147.136]			
IU#	INDUSTRY	SITE	BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	ANNUAL PAYMENT
6005	Hexacon Electric Tota Cost Analys		45	50	0.885 0.885 \$311.00	0.1661 0.1661 \$105.82	0.1845 0.1845 \$76.62	\$493.45
RC	OSELLE PARK TOTALS				0.8850 \$311.00	0.1661 \$105.82	0.1845 \$76.62	\$493.45

INDUSTRIAL USER CHARGE - 2009

Municipality: SUMMIT

						Cost Factors		
			Concentr	ation	Flow per MG \$351.4147136	BOD par Top \$637,2137906	TSS per Ton \$415,2518774	
IU#	INDUSTRY	SITE	BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	ANNUAL PAYMENT
5511	Novartis Groundwater Totals: Cost Analysis:	4	1	6	1.18 1.18 \$414.67	0.0049 0.0049 \$3.14	0.0295 0.0295 \$12.26	\$430.06
5512	Summit Property Co. Totals: Cost Analysis:	03A 99	56 187	84 142	49.376 4.125 53.501 \$18,801.04	11.5303 3.2166 14.7469 \$9,396.94	17.2954 2.4426 19.7380 \$8,196.24	\$36,394.22
5513	Celgene Corporation Totals: Cost Analysis:	1	308	441	7.63 7.63 \$2,681.29	9.7997 9.7997 \$6,244.48	14.0313 14.0313 \$5,826.54	\$14,752.32
	SUMMIT TOTALS				62.3110 \$21,897.00	24.5515 \$15,644.56	33.7989 \$14,035.04	\$51,576.60

INDUSTRIAL USER CHARGE - 2009

Municipality: UNION

				Cost Factors A Flowing MG BOD per Ton TSS per Ton					
			Concentr	ration	\$351.4147136		TSS per Ton. \$415 2518774		
IU#	INDUSTRY	SITE	BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	ANNUAL PAYMENT	
7015	ACuPowder Totals Cost Analysis		187 233	142 369	0.035 1.5 1.535 \$539.42	0.0273 1.4574 1.4847 \$946.08	0.0207 2.3081 2.3288 \$967.05	\$2,452.54	
7035	American Products Totals Cost Analysis		173	169	0.657 0.657 \$230.88	0.4740 0.4740 \$302.02	0.4630 0.4630 \$192.26	\$725.16	
7045	Breeze /TransTechnology Totals Cost Analysi		279	417	1.182 1.182 \$415.37	1.3752 1.3752 \$876.28	2.0554 2.0554 \$853.50	\$2,145.15	
7070	Durex Total: Cost Analysi		37	58	3.213 3.213 \$1,129.10	0.4957 0.4957 \$315.89	0.7771 0.7771 \$322.69	\$1,767.67	
7077	Siemens Water Technology Total: Cost Analysi	s:	28	23	3.032 3.032 \$1,065.49	0.3540 0.3540 \$225.58	0.2908 0.2908 \$120.75	\$1,411.83	
7080	Foremost Mfg Total: Cost Analysi		19	204	16.758 16.758 \$5,889.01	1.3277 1.3277 \$846.05	14.2557 14.2557 \$5,919.70	\$12,654.76	
7092	International Paint Total Cost Analysi		160	207	5.402 5.402 \$1,898.34	3.6042 3.6042 \$2,296.66	4.6630 4.6630 \$1,936.30	\$6,131.30	
7105	Stonco Lighting Total: Cost Analysi		305	483	0.746 0.746 \$262.16	0.9488 0.9488 \$604.59	1.5025 1.5025 \$623.93	\$1,490.67	
7145	Schering Total: Cost Analysi		20	24	142.917 142.917 \$50,223.14	11.9193 11.9193 \$7,595.13	14.3031 14.3031 \$5,939.40	\$63,757.67	
7150	SS Studios Total Cost Analysi		270	281	0.112 0.112 \$39.36	0.1261 0.1261 \$80.35	0.1312 0.1312 \$54.50	\$174.21	
7155	Tessler & Weiss Total Cost Analysi		145	120	1.484 1.484 \$521.50	0.8973 0.8973 \$571.77	0.7426 0.7426 \$308.36	\$1,401.64	
7167	Turbo Braze Total Cost Analysi		286	248	0.228 0.228 \$80.12	0.2719 0.2719 \$173.27	0.2358 0.2358 \$97.91	\$351.30	

INDUSTRIAL USER CHARGE - 2009

Municipality: UNION

	Cost Factors							
				3	Flow par MG	BOD per force	⊤ ∏SS per Ton	
			Concentr	ation	\$351 4147(136	~\$667,213 7/9 06	\$415.251877.4	
			BOD	TSS	FLOW	BOD	TSS	ANNUAL
IU#	INDUSTRY	SITE	(mg/l)	(mg/l)	(MG)	(Tons)	(Tons)	PAYMENT
7191	Cintas	1	280	115	13.005	15.1846	6.2365	
	Totals:				13.005	15.1846	6.2365	
	Cost Analysis:				\$4,570.15	\$9,675.86	\$2,589.74	\$16,835.75
7192	Merril Corporation	1	1449	737	0.436	2.6345	1.3400	
	Totals:				0.436	2.6345	1.3400	
	Cost Analysis:				\$153.22	\$1,678.71	\$556.42	\$2,388.35
7400	I I I I I	4	3928	2344	6.779	111.0384	66.2612	
7193	Lioni Latticini	1 99	187	142	0.322	0.2511	0.1907	
	Totals:	99	107	142	7.101	111,2895	66,4519	
					\$2,495.40	\$70,915.19	\$27,594.26	\$101,004.85
	Cost Analysis:				\$2,495.40	\$70,515.15	\$27,554.20	\$101,004.05
7194	BASF Catalysts	1	19	210	0.066	0.0052	0.0578	
	Dito: Catalyon	99	187	142	3.454	2.6934	2.0453	
	Totals:		, - ,		3.520	2,6986	2.1030	
	Cost Analysis:				\$1,236.98	\$1,719.60	\$873.29	\$3,829.87
7195	Deep Foods	1	1595	1250	10.675	71.0010	55.6434	
		99	187	142	1.300	1.0137	0.7698	
	Totals:				11.975	72.0148	56.4132	
	Cost Analysis:				\$4,208.19	\$45,888.79	\$23,425.70	\$73,522.68
	UNION TOTALS				213,3030	227.1009	174.2937	
					\$74,957.81	\$144,711.83	\$72,375.77	\$292,045.41

INDUSTRIAL USER CHARGE - 2009

Municipality: ELIZABETH

			Concentr	ration	Flowing MG 3814.6770339	Cost Factors -BOD per Rong -5637,2137906	; ISS per Iton \$415,2518774	
IU#	INDUSTRY	SITE	BOD (mg/l)	TSS (mg/l)	FLOW (MG)	BOD (Tons)	TSS (Tons)	ANNUAL PAYMENT
0033	Cargill Flavor Systems Totals: Cost Analysis:	1	778	95	1.863 1.863 \$586.24	6.0441 6.0441 \$3,851.36	0.7380 0.7380 \$306.47	\$4,744.07
0037	Deb-El Foods Totals: Cost Analysis:	1	2557	424	5.569 5.569 \$1,752.44	59.3805 59.3805 \$37,838.09	9.8464 9.8464 \$4,088.75	\$43,679.27
0062	Garcia Laundry Totals: Cost Analysis:	2 99	1168 187	310 142	3.552 0.131 3.683 \$1,158.96	17.3002 0.1022 17.4024 \$11,089.04	4.5917 0.0776 4.6692 \$1,938.91	\$14,186.90
0067	Actavis (formerly Purepac) Totals: Cost Analysis:	3	1070	170	17.011 17.011 \$5,352.97	75.9014 75.9014 \$48,365.41	12.0591 12.0591 \$5,007.56	\$58,725.94
0070	LORCO Totals: Cost Analysis:	2	7529	80	24.236 24.236 \$7,626.51	760.9118 760.9118 \$484,863.47	8.0851 8.0851 \$3,357.37	\$495,847.34
0075	Mastercraft Electroplating Totals: Cost Analysis:	99	187	142	0.022 0.022 \$6.92	0.0172 0.0172 \$10.93	0.0130 0.0130 \$5.41	\$23.26
0078	Magnolia Beef Totals: Cost Analysis:	1 99	1222 187	353 142	0.139 0.185 0.324 \$101.96	0.7083 0.1443 0.8526 \$543.27	0.2046 0.1095 0.3142 \$130.45	\$775.68
0091	NJ Turnpike Authority Totals: Cost Analysis:	1	3	6	1.182 1.182 \$371.95	0.0148 0.0148 \$9.42	0.0296 0.0296 \$12.28	\$393.65
0093	OENJ Totals: Cost Analysis:	4	5	45	10.489 10.489 \$3,300.65	0.2187 0.2187 \$139.36	1.9683 1.9683 \$817.32	\$4,257.33
0098	Olympia Trails Totals: Cost Analysis:	1 99	399 187	402 142	1.698 0.428 2.126 \$669.00	2.8252 0.3338 3.1589 \$2,012.92	2.8464 0.2534 3.0999 \$1,287.22	\$3,969.14
0100	Michaels Foods - North Avenue Facility Totals: Cost Analysis:	4 4a 4b 99	2935 1065 468 187	960 275 120 142	69.665 7.539 2.659 0.620 80.483 \$25,326.15	852.6265 33.4811 5.1892 0.4835 891.7802 \$568,254.64	278.8829 8.6453 1.3306 0.3671 289.2260 \$120,101.63	\$713,682.42

INDUSTRIAL USER CHARGE - 2009

Municipality: ELIZABETH

			Concenti	ration	Plow per MG \$314,677,0339	Cost Factors BOD per Jon. \$637.21,57906	TISS per Ton \$415.2518774	
	MINIOTOX	0.177	BOD	TSS	FLOW	BOD	TSS	ANNUAL
IU#	INDUSTRY	SITE	(mg/l)	(mg/l)	(MG)	(Tons)	(Tons)	PAYMENT
0105	Michaels Foods - Papetti Plaza Facility	2	3444	586	61.450	882.5129	150 1604	
0103	rapetti riaza raciiity	2 2a	1627	209	8.093	54.9077	150.1604 7.0533	
		2b	2068	318	1.879	16.2037	2.4917	
		3	385	652	0.717	1.1511	1.9494	
	Totals: Cost Analysis:				72.139 \$22,700.49	954.7754 \$608,396.06	161.6548 \$67,127.47	\$698,224.01
0120	Phelps Dodge	99	187	142	0.448	0,3493	0.2653	
	Totals:		1.51		0.448	0.3493	0.2653	
	Cost Analysis:				\$140.98	\$222.61	\$110.16	\$473.74
	Superior Powder							
0148	Coating	1 99	54 187	27	2.829	0.6370	0.3185	
	Totals:	99	187	142	0.547 3.376	0.4265 1.0636	0.3239 0.6424	
	Cost Analysis:				\$1,062.35	\$677.73	\$266.77	\$2,006.84
0155	Duro Bag	1	302	140	4.843	6.0990	2.8273	
		2	55	86	2.933	0.6727	1.0518	
	Totals:	3	260	301	1.147 8.923	1,2436 8,0152	1.4397 5.3189	
	Cost Analysis:				\$2,807.86	\$5,107.42	\$2,208.66	\$10,123.95
0165	Wakefern Food Corp.	2	102	151	4 202	2 4550	0.7500	
0105	wakeleni Food Corp.	2 3a	193 237	154 351	4.293 2.769	3,4550 2,7366	2.7569 4.0529	
		4	533	883	0.525	1.1669	1.9331	
		7	6	14	0.347	0.0087	0.0203	
	Totals: Cost Analysis:				7.934 \$2,496.65	7.3672 \$4,694.47	8.7631 \$3,638.91	\$10,830.03
	oost, maryolo.				Ψ2,430.00	ψ4,004.47	ψ3,000.01	Ψ10,030.03
0175	Prince Donut Co.	3	4342	1252	1.362	24.6606	7.1108	
	Totals:	99	187	142	0.239 1.601	0.1864 24.8469	0.1415 7.2523	
	Cost Analysis:				\$503.80	\$15,832.81	\$3,011.53	\$19,348.14
0178	814 Americas	3	389	341	2.587	4.1965	3.6786	
		99	187	142	0.047	0.0367	0.0278	
	Totals:				2.634	4.2331	3.7065	
	Cost Analysis:				\$828.86	\$2,697.39	\$1,539.12	\$5,065.37
0185	Cavalier Chemical	1	11145	1538	0.077	3.5785	0.4938	
	Totals:	99	187	142	0.208 0.285	0.1622	0.1232	
	Cost Analysis:				\$89.68	3.7407 \$2,383.65	0.6170 \$256.21	\$2,729.55
0186	One Great Burger	1	266	165	0.416	0.4614	0.2862	
	-	2	312	504	0.139	0.1808	0.2921	
	Totals: Cost Analysis:				0.555 \$174.65	0.6423 \$409.27	0.5784 \$240.17	\$824.08
E	ELIZABETH TOTALS				244.8830 \$77,059.06	2,820.7162 \$1,797,399.29	518.8474 \$215,452.37	\$2,089,910.72