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INTERSTATE SANITATION COMMISSION

New York • New Jersey • Connecticut

INTERSTATE SANITATION COMMISSION 110 WILLIAM STREET • NEW YORK 7, N. Y.

Summary

of

Sewage Analyses

1948 - 1949

INTERSTATE SANITATION COMMISSIONERS

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DESCRIPTION OF ANALYTICAL PROCEDURES

Routine investigations are conducted in conformity with the requirements of the Tri-State Compact to observe the effectiveness of sewage treatment works discharging into the waters of the Interstate Sanitation District. Investigations at these sewage treatment plants are rotated at random, and usually revisits are not scheduled until a complete cycle of plant investigations have been made. An average of three investigations per annum are made at most plants. Investigations at screening plants are presently limited to the collection of bacteriological samples and pertinent data thereto.

COLLECTION OF SAMPLES

Composite samples are prepared at 11:30 A.M. and at 3:30 P.M. from pint samples which are collected routinely at sewage treatment plants at half hourly intervals from 8:00 A.M. to 3:30 P.M. Influent and effluent samples are collected at approximately the same time, without relation to the volume of flow or the detention period. The composite samples, without icing or preservatives added, are usually returned to the laboratory by 5:00 P.M. when B.O.D. dilutions are set up and incubated immediately. The remainder of the samples are stored in a refrigerator overnight and solids analyses are made on the following day.

ANALYTICAL PROCEDURES

Analytical procedures are in accord with Standard Methods for the Examination of Water and Sewage, Ninth Edition. TOTAL SUSPENDED SOLIDS

In 1948, the two procedures described in the 1947 Report were discontinued to conform to Standard Methods for the Examination of Water and Sewage, Ninth Edition, page 145, Section B.1 and 2. Since we do not usually determine volatile matter, crucibles and mats are not ignited. The Commission has not used the aluminum dish method for the determination of suspended solids.

SETTLEABLE SOLIDS

In 1948, the procedure for the determination of settleable solids as reported in 1947 was also discontinued to conform to Standard Methods for the Examination of Water and Sewage, Ninth Edition, page 146, Section 13, D, 2. Since the use of a theoretical detention period of the plant settling units is permissible, a two hour settling time is adopted for this test to simulate plant detention periods.

To reduce the danger of disturbing the settled solids to a minimum, a siphon with a U-trap on the intake end is being used to withdraw the supernatant liquid from the settling cylinders.

BIOCHEMICAL OXYGEN DEMAND

The Biochemical Oxygen Demand test is begun as soon as samples are returned to the laboratory. Starting

20

in 1949, samples were tested for chlorine and if found present, the samples were dechlorinated in accord with the procedure of Standard Methods for the Examination of Water and Sewage, Ninth Edition, pages 142-143, Section 11 A 3.2.1; 3.2.2. Several dilutions of the prepared sample are made in order to cover the range of depletions expected. These are then incubated for a period of seven days at 20°C. The 5-day B.O.D. is calculated by use of the relative stability tables. The B.O.D. is determined by the sodium azide modification of the Winkler method, Standard Methods, page 129, Section 10,E. Dilution water is prepared in accord with Standard Methods' procedure page 140, Section A,2.

HYDROGEN ION

Hydrogen ion determinations are made in the field by the colorimetric method.

CHLORINE RESIDUALS

Chlorine residualdeterminations are also made in the field in accord with Standard Methods, pages 147-148, Section 18, A, 1 and 2. After samples are collected, they are held for a period equal to the time of detention in the outlet conduit before being tested for residual chlorine. This procedure is followed regardless of previous chlorine contact period. However in no case are the samples held longer than twenty minutes.

COLIFORM ORGANISMS

Samples are collected in sterile glass bottles, and held, prior to planting, for a period equal to the time

3.

of detention in the outlet conduit. This procedure is followed regardless of previous chlorine contact period. However, in no case are the samples held longer than twenty minutes. The samples, without being dechlorinated, are planted in the field directly into lactose broth tubes. Where the chlorine residual of the samples is 0.8 p.p.m. or greater, three tubes in each of three dilutions are planted; where the chlorine residual is less than 0.8 p.p.m., five tubes in each of three dilutions are planted. 1 ml., 1/10 ml., and 1/100 ml samples are planted routinely to cover the range in Most Probable Number from less than 0.3 per ml. to over 240 per ml. This range is sufficient for interpretation of compliance with the Interstate Sanitation Compact requirements. The inoculated lactose broth tubes are returned to the laboratory by 5:00 P.M. and incubated at 37° C. Observations are made after 24 hours and after 48 hours of incubation (+ 2 hours). All lactose broth positives are confirmed in brilliant green bile 2% media.

A single numerical value for a series of analytical results from a single visit to a plant is obtained by expressing the results of each analysis in terms of its M.P.N. value and striking an arithmetic average of these values.

"Bacto" lactose broth, dehydrated and "Bacto" brilliant green bile 2% dehydrated (Difco Laboratory preparations) are the media being used. Media and dilution water are sterilized in a steam autoclave at 15 lbs. pressure for 15

4.

minutes and then kept refrigerated.

VOLUME OF FLOW

Flows tabulated in the analytical data are average rates of flow during the sampling period, unless otherwise indicated.

The following tables summarize the analyses of sewage at the various treatment plants throughout the Interstate Sanitation District.

This work was under the direction of Seth G. Hess, Director & Chief Engineer, the laboratory analytical work by M. Deitch, assisted by P. De Falco, Jr., and the field investigations by M. E. Ferguson and F. W. Gross.

(PART 1.) Plant Location	Date Visted	Est. Pop. Served (Thousands)	Flow M.G.D.	A nfluent	A HH	Hinfluent 5	Tot	al d Solid Remov	_	Settleabl Tuentuent phoenent p	e Solids Removal ppm %
FAIRFIELD COUNTY, CONNECTIO	CUT										
Daidacaant											
Bridgeport East Side	6-14-48 C	45.5									
tt tt	7-19-48 C	TUOU									
West Side	6-14-48 C	88.5									
FF FF	7-17-48 C										
Darien	5-13-48 C	3.0	3.5 x	6.9	6.9	150	50	100	67		
12	6-15-48 0 10-20-48 C			7.2	7.2	270	66	204	76		
	10-20-40 0			1.0	1.0	210	00	204	10		
Greenwich											
Byram Plant	4-20-48 C 6- 2-48 C	3.0	0.27 x	7.3	6.9	230	100	130	57		
87 PP	9- 2-48 C			7.0	6.5	380	70	310	82		
27 27	12-21-48 C			7.2	7.2	270	120	150	56		
A Standard Barrier											
Cos Cob Plant	2- 2-48 C	4.5	0.71 x	7.3	7.3	190	100	90	47		
98 98 99 88 98 99	5- 6-48 C			7.1	7.1	210	60	150	71		
17 17 19	6- 2-48 C				c 0	040	07	250			
77 82 99	9-29-48 C 12-27-48 C			7.1	6.9 7.4	240 210	83 110	157 100	65 48		
	10-01-10 0			1.0	1.4	210	110	100	40		

C - By The Connecticut State Dept. of Health x - Estimated Average Flow

		ochemical Or							
	7 day 2	20°C. Calcul	lated	5 day	20°C.	Pog	idual		
(IART 2.)	ent	Brfluent Finfluent	BEffluent				orine	Coliform	Organism
()	lu	lue lue	Ju	Remo	val			M.P.N.	% over
	nf	ff nf	t t			Avg.	Min.	per	l per
Plant Location	dInfluent	The fuer	ppm	ppm	%	ppm	ppm	ml.	
FAIRFIELD COUNTY, CONNECTICUT									
Bridgeport									
East Side								60+	75
17 19								186+	100
West Side						0.8	0.5	65+	100
77 FF								181+	100
Darien		130	70	60	46				
17								62	50
17		230	100	130	57				
Greenwich									
Byram Plant		260	230	30	12		0 O		-
17 17						1.0+	1.0	6.37	50
44 97		470	180	290	62				
		390	290	100	26			-	
Cos Cob Plant		250	160	90	36				
17 17 17		200	130	70	35				
11 11 11						1.0+	0.9	2.5	50
FT FT FF		330	160	170	52				
23 25 55		270	170	100	37				

					(s			pF		Sus	Tot	al d Soli	.ds	Set	ttleab	le Solids
		(PART	1.)	Date Visted	Est. Pop. Served (Thousands)	Flo	w	Mainfluent	Ffluent.	FInfluent	d fluent	Remo	val	dInfluent	Teffluent	Removal
-	P	Lant L	ocation	Da Vi	SE ES	M.G.		AVg.	Avg.	ppm	pfin	ppm	%	ppm	pfdm	ppm %
FAIRFI	TELD	COUNT	Y, CONN.	Cont.												
Green	vich	- Cont	tinued													
Gras	ss Is	land H	Plant	4- 8-48 C	10.5	2.16	x	7.1	6.9	130	33	97	75			
12	11		**	6- 2-48 C												
11	11		79	8-31-48 C				6.8	6.7	210	42	168	80			
=	11		17	12-16-48 0				7.5	7.3	180	57	123	68			
		nwich	Plant	5-24-48 0		0.94	x	6.7	6.5	120	52	68	57			
**	54		18	6-15-48 0												
17	17		**	10- 4-48 C				7.1	6.7	270	52	218	81			
Norwal	lk			6- 2-48 C	26.0	7.0	x									
17				9- 1-48 C				6.8	6.7	93	58	35	38			
Stamfo	ord			5-18-48 0	48.0	5.0	x	7.1	7.0	180	76	104	58			
17				6-15-48 0												
**				11-23-48 0				7.2	7.4	370	150	220	59			
Strat	ford			6- 3-48 0	20.0	2.0	x									
+7				7- 1-48 0	1			6.7	6.5	110	49	61	55			
11				12-15-48 0				7.3	7.0	200	73	127	64			

C - By The Connecticut State Dept. of Health x - Estimated Average Flow

			Biochem 7 day 20°C.	Calcul				Reg	idual		
	(PAR	r 2.)	dinfluent geffluent	Tulluent	diffluent	Remo		Chlo	orine	M.P.N.	Organism % over
	Plant	Location	maga maga	ppm	film	ppm	%	ppm	Min. ppm	ml.	l per ml.
FAIRFIE	ELD COU	TY, CONN. Cont									
Greenwi	ich - C	ontinued									
Grass	Islan	d Plant		140	74	66	47				
**	24	**						1.7	1.3	1.33	50
11	18	**		210	87	123	59				
12	12	**		210	130	80	38				
Old G	reenwi	ch Plant		120	94	26	23				
**	11	99								-0.3	0
11	22	79		190	98	92	48				
Norwalk								0.8	0	60+	25
89				60	39	21	35				
Stamfor	d			190	130	60	32				
12										-0.3	0
**				380	200	180	47				
Stratfo	rd							0.8	0.5	-0.3	0
72				86	44	42	49				
**				230	180	50	22				

										Tota						
				-				H		pended	a Solio	ds			le Solio	ds
(PART 1.) Plant Location		Date Visted	Est. Pop. Served (Thousands)	Flow M.G.D		Tufluent	Beffluent	d Influent	Effluent	Remo	val %	d Influent	d Effluent	Remova	al %	
NEW HAVI	en coui	NTY, CONN.														
Milford			5-26-48 0 6- 3-48 0		0.4	x	6.9	6.7	150	1	149	99				
**			10-14-48 0				7.0	6.4	320	6	314	98				
New Have	en															
Bouler	vard P.		5-27-48 0		17.0	x	7.5	6.7	100	50	50	50				
11		97 97	6- 3-48 0 11-16-48 0				7.4	7.9	290	140	150	52				
East S	Street "	Plant	5-25-48 0 6- 3-48 0 7- 7-48 0		11.0	x	7.3	6.9	290	95	195	77				
**	**	**	10-21-48 0				6.8	6.5	390	130	260	67				
West Ha			3-1 6- 48 0 6- 3-48 0		2.0	x	7.3	7.3	160	74	86	54				
97 97 97 97			8-25-48 0 12-14-48 0	5			7.3	6.9 8.3	190 260	84 92	106 168	56 65				

C -By The Connecticut State Dept. of Health x -Estimated Average Flow

	Biochemi	cal Ox;	ygen	Deman	d				
	7 day 20°C.	Calcu	lated	5 da	y 20°C.				
(PART 2.)	Influent Effluent	Influent	Effluent	Remo	val	Chlo	dual	M.P.N.	Organism % over
Plant Location	ppm ppm	Ppm	ppm	ppm	96	Avg. ppm	Min. ppm	per ml.	l per ml.
NEW HAVEN COUNTY, CONN.									
Milford		110	2	108	98	0.0	0.5		50
17		280	4	276	99	0.6	0.5	1.7	50
New Haven									
Boulevard Plant		150	71	79	53	2.0+	2.0+	-0.3	0
PT TT		280	190	90	32	2.0.	heV.	-0.0	
East Street Plant		190	79	111	58				
87 97 99 97 97 92						0.3	0.2	150+ 61+	100 50
17 77 19		160	100	60	37				
West Haven		120	110	10	8	6			0.5
17 17		280	160	120	43	0.4	0	0.7	25
99 99		320	190	130	41				

		(s		TH		Tota Suspended		Settleable Solids
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Baffluent.	Effluent	Removal	uenlig Removal
Plant Location		H	M.G.D.	Avg.	Avg.	ppm ppm	ppm %	ppm ppm ppm %
FAIRFIELD COUNTY, CONNECTICUT	ľ							
Bridgeport								
East Side	6- 1-49	C 45.5						
West Side	6- 1-49	0 88.5						
Darien	1-31-49	C 3.0	3.5 x	6.8	6.8	160 46	114 71	
**	4-20-49	C		6.8	6.9	400 58	342 86	
92	6- 1-49	C						
Greenwich								
Byram Plant	4-13-49	C 3.0	0.27 x	7.1	7.0	240 82	158 66	
PT 19	6- 1-49	C						
99 99	10- 3-49	C		7.5	6.5	460 150	310 67	
Cos Cob Plant	4- 7-49	C 4.5	0.71 x	7.0	6.8	96 56	40 42	
77 77 99	6- 1-49							
99 99 89	9-28-49	C		7.1	6.5	250 140	110 44	
Grass Island Plant	4- 5-49	C 10.5	2.16 x	7.3	7.3	170 54	116 68	
77 97 98	6- 1-49							
¥7 15 17	10- 6-49	C		7.1	6.7	360 66	294 82	

C By The Connecticut State Dept. of Health x Estimated Average Flow

		emical Oxygen					
(PART 2.)	Influent	Influenting	Removal	Resid Chlo Avg.		Coliform (M.P.N. per	Organism % over l per
Plant Location	ppm pp		ppm %	ppm.	ppm	ml.	ml.
FAIRFIELD COUNTY, CONN.	· .					1	
Bridgeport							
East Side				1.9+	1.4	83+	100
West Side				0.9	0.5	185+	100
Darien		120 41	79 66				
99 97		260 54	206 79	1.0	0.3	-0.3	0
Greenwich							
Byram Plant		250 180	70 28	2 01	0.01	0.45	0
17 92		510 300	210 41	2.0+	2.0+	0.47	0
Cos Cob Plant		100 83	17 17				
99 31 99		290 150	140 48	1.2	0.8	0.56	0
Grass Island Plant		190 110	80 42				
77 77 77 77 tř 78		400 120		2.0+	2.0+	-0.3	0
		100 200					

					s)			P	H		Tota	al d Soli	ds	Set	tleab.	le Solids
	(PAPT 1.) Plant Location			Date Visted	Est. Pop. Served (Thousands)	Flo M.G.		A Influent	AEffluent	HInfluent	Effluent	Remo	val	d Influent	dEffluent	Removal
FATRE			TY, CONN. (11.0.	Ppin	ppm	D Date	/	Ppin	E Law	PPm P
			and a second design													
			ntinued ch Plant	2- 8-49 C				6.8	6.8	92	29	63	68			
	1	17	**	5-26-49 C	4.6	0.94	T	6.7	6.5	50	23	27	54			
*	1	**	17	6- 1-49 C	100		1.0		0.0		20	~ .				
**	*	**	**	10-17-49 C				7.1	6.7	410	110	300	73		10	
Norwa	alk			4-11-49 C	26.0	7.0	x	7.0	6.8	130	67	63	48			
17				6- 2-49 C												
**				10-10-49 C				7.1	6.7	220	160	60	27			
Stamf	ford			2- 9-49 C	48.0	5.0	x	7.2	7.1	170	85	85	50			
97				5-31-49 C				6.9	6.7	360	79	281	78			
**				6- 1-49 C												
**				10-19-49 C				7.5	7.3	340	91	249	73			
Strat	tford	1		4-18-49 C		2.0	x	7.1	7.0	110	76	34	31			
19				6- 2-49 C	20.0											
**				9-29-49 C				7.1	7.1	180	47	133	74			

C By The Connecticut State Dept. of Health x Estimated Average Flow

		chemical Ox O°C. Calcul							
(FART 2.)		nent nent					dual	the second se	Organism
	dinfluen.	gaffluent Finfluent	ageffluent	Remo		Avg.	Min.	M.P.N. per	% over 1 per
Plant Location	ppm p	opm ppm	ppm	ppm	%	ppm	ppm	ml.	
FAIRFIELD COUNTY, CONN. Cont.									
Greenwich - Continued									
Old Greenwich Plant		110	71	39	35				
27 77 99		110	52	58	53				
17 97 27						1.5	0.6	-0.3	0
17 17 19		340	170	170	50				
Norwalk		110	60	50	45	0.4	0.2	3.9	80
**		140	100	40	29			0.0	00
Stamford		210	130	70	33				
**		310	140	170	55				
**						0.9	Trace	0.45	0
19		270	140	130	48				
Stratford "		140	99	41	29	0.7	0.4	0.62	0
**		190	110	80	42				U.S.

					ls)		F	H	Sus	pended	al 1 Soli	ds		and the second second second second	le Solids
	(PART 1.) Plant Location)	Date Visted	Est. Pop. Served (Thousands)	Flow	Adrift n'	Affiluent	dufluent	ffluent	Remo	val	Influent	Effluent	Removal	
	Plant	Loca	tion	Da Vi	S S L	M.G.D.	Att.	AVg.	ppm	ppm	ppm	%	ppm	ppm	ppm %
NEW	HAVEN	COUNT	Y, CONN.												
Mil	ford			2- 3-49 C	4.0	0.4 x	6.9	6.9	82	4	78	95			
n				5-23-49 C			6.9	6.5	75	2	73	97			
**				6- 2-49 C											
**				10-20-49 C			7.1	6.3	170	-1	169+	99+			
Nor	Haven														
INGM	Bouler	D been	lont	9 14 40 0	00 5	10 0 -	F 7 A		000	07	207	EC			
	Bouter	aru P.	18110	2-14-49 C		17.0 x	7.4	7.2	220	97	123	56			
			**	4- 4-49 C 6- 2-49 C			7.8	7.5	220	220	0	0			
	**		**	10- 4-49 C			7.5	7.3	230	82	148	64			
	East S	street	Plant	2- 7-49 C	52.2	11.0 x	6.9	7.0	270	110	160	59			
	**	97	**	6- 2-49 C											
	17	99	97	6- 3-49 C			7.3	6.9	180	93	87	48			
	**	77	17	10-11-49 C			7.3	6.9	200	82	118	59			
	t Haver	1		4-12-49 C	25.0	2.0 x	7.8	7.8	290	110	180	62			
**	**			6- 2-49 C											
72	**			10-31-49 C			7.9	7.8	400	84	316	79			

C - By The Connecticut State Dept. of Health x - Estimated Average Flow

	Biochemi								
	7 day 20°C.			5 day	20°C.	Deci	dual		
(PART 2.)	Influent Effluent	d Influent	gEffluent	Remo	val		rine	Coliform M.P.N.	% over
Plant Location	ppm ppm	ppm	ppm	ppm	96	Avg. ppm	Min. ppm	per ml.	l per ml.
NEW HAVEN COUNTY, CONN.									
Milford		92	6	86	93				
"		94	3	91	97				
17						1.1	0.9	0.56	0
92 I		160	5	155	98				
New Haven									
Boulevard Plant		170	120	50	29				
22 29		220	240	Neg	Neg		2		
77 97						1.0	0.2	60+	25
77 87		160	100	60	38				1000
East Street Plant		95	71	24	25				
37 37 83						0.4	0	60+	25
** ** **		160	110	50	31		2020		
79 98 et			130	10	7				
West Haven		310	200	110	35				
17 17						0.9	0	60+	25
FF 17		330	140	190	58				
		2,32,5							

		()		pł	I	Sus	Tota	al d Solid	s	Set	tleab	le Sol	ids
(PART 1.)	Visted	Est. Pop. Served (Thousands)	Flow	AInfluent	A Effluent	HInfluent	Effluent	Remov		d Influent	d Effluent	Remo	
Plant Location	DED	E E	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
EL RJEN COUNTY, NEW JERSEY													
Cliffside Park	*	16.89	1.2 x										
Englewood Cliffs	5-10-48	0.89		6.7	6.8	48	42	6	13	24	15	9	38
+2 19	7- 8-48		0.07	6.9	6.3	42	19	23	55	20	12	8	40
27 19	9- 9-48		0.03	7.1	6.5	55	54	1	2	18	10	8	44
FOBEX COUNTY, N.J.													
Port Newark - Swift Refining Company	*												
HULSON JOUNTY, N.J.													
U.S. Navy													
Naval Supply Depot,													
	4-26-48 *	*											
77 17 17													
77 77 97	8-23-48												
		85											
				* _	No Inve	estigat	ion Ma	ade					
					Estimat								
Bayonne	6-21-48	*			No In v e Estimat								

** - Results Omitted - Security Regulations

			ical Ox							
		20°C.	Calcul	and the second second		20°C.	Resi	dual		
(PART 2.)	dInfluent	luen	luen ⁻	luen.	Remo	val		orine	Coliform M.P.N.	Organism % over
Plant Location	ppr	defiluent	d gInfluent	Buffluen.	ppm	70	Avg. ppm	Min. ppm	per ml.	l per ml.
BERGEN COUNTY, NEW JERSEY										
Cliffside Park *										
Englewood Cliffs	96		82	70	12		0	0	240+	100
17 17	89		76 156	54 166	22 Neg	29 Neg	2.0+	2.0+	-0.3 -0.2	0
ESSEX COUNTY, N.J.										
Port Newark - Swift Refining Company *										
HUDSON COUNTY, N.J.										
U.S. Navy Naval Supply Depot,										
Bayonne **										
1 1 11 11										
				c			igation Ma			
					ne.	suits- Or	mitted - 3	pecurity	negulations	

Total Est. Pop. Served (Thousands) pH Suspended Solids Settleable Solids AInfluent u Influent d Effluent Influent Effluent Effluent (PART 1.) Date Visted Removal Kemoval Flow Plant Location M.G.D. 8 Avg. Z ppm ppm MIDDLESEX COUNTY, NEW JERSEY Perth Amboy 4- 6-48 41.24 5.0 7.7 6.8 72 149 67 138 128 93 221 10 11 11 5-20-48 5.2 7.0 7.6+ 40 100 52 87 140 71 7 45 11 11 7-15-48 6.1 69 127 65 165 82 5.7 196 29 136 6.3 -11 9-21-48 7.1 55 81 5.4 7.3 176 80 96 107 20 87 South Amboy 3-17-48 7.8 0.62 6.6 6.4 80 125 61 97 205 127 123 4 11 11 161 173 4-28-48 0.64 6.7 63 191 91 6.3 254 93 18 11 11 77 96 6-23-48 0.78 6.6 6.3 231 100 131 57 164 38 126 11 tk 8-25-48 87 249 0.76 6.5 332 43 289 10 6.3 259

		E	Biochem	ical C	xygen	Deman	d				
		7 day	20°C.	Calcu	lated	5 day	20°C.	Poe	idual		
(P.	AFT 2)	fluen	fluen	luen.	fluent	Remo	val		orine	Coliform M.P.N.	Organism % over
Plan	t Location	ppm	WEff	ppm	ppm	ppm	%	Avg. ppm	Min. ppm	per ml.	l per ml.
MIDDLESEX (COUNTY, NEW JERSEY										
Perth Amboy	y.	252	155	214	132	82	38	1.3+	-0.1	60+	25
?# # #		299	124	254	106	148	58	1.4+	0	6.1	25
** **		138	97	118	83	35	30	1.7+	1.1	-0.3	0
17 17		323	207	275	176	99	36	1.2	0.1	-0.3	0
South Amboy	Y	344	192	292	163	129	44	2.0+	0.9	-0.3	0
58 88		302	167	257	142	115	45	0.3	0	-0.3	0
78 88		286	119	243	101	142	58	1.1	0.6	-0.3	0
77 17		338	121	287	103	184	64	1.6	0.8	-0.3	0

		p. nds)			DH	Sus	Tot	al d Soli	ds	Set	tleab	le Sol	ids
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	AInfluent	AEffluent.	Influent	DEffluent	Remo	val	unfluent	de filuent	Remo	
Plant Location	A D	3°°C	M.G.D.	AVE.	Avg.	meta	mag	ppm	70	ndq	pöh	ppm	Z
MONMOUTH COUNTY, NEW JERSEY													
Atlantic Highlands	4-14-48 6-14-48 8-18-48	2.34	0.5 x	6.5	6.0 6.1 6.0	61 165 135	26 57 41	35 108 94	57 65 70	31 105 97	5 20 12	26 85 85	84 81 88
Highlands "	7-12-48 9-15-48	2.08	1.26	7.1 7.0	6.3 6.2	269 237	85 50	184 187	68 79	170 157	33 16	137 141	81 90
Keansburg	7-12-48	2.9	0.80 x	6.6	6.6								
Keyport """"""""""""""""""""""""""""""""""""	3-30-48 5-20-48 7-20-48 9-29-48	5.15	0.87 0.95 1.0 0.74	7.0 6.8 6.8 7.3	6.3 6.4 6.4	180 146 228 231	81 155 64 101	99 Neg 164 130	55 Neg 72 56	98 102 164 139	22 90 11 32	76 12 153 107	78 12 93 77
UNION COUNTY, NEW JERSEY													
Elizabeth Joint Meeting """" """""""""""""""""""""""""""""""	4-12-48 6- 3-48 8- 2-48 10- 5-48	391.12	54 54 42 26	7.0 7.2 7.3 7.2	7.1 7.1 7.3 7.2	201 166 262 218	74 74 50 62	127 92 212 156	63 55 81 72	122 112 201 117	23 30 14 21	99 82 187 96	81 73 93 82

x Estimated Average Flow

			ical Ox							
			Calcul	and strength of the local division of	5 day	20°C.	Dec	idual		
(FART 2.)	Influent	Effluent	Influent	Effluent	Remo	val		orine	Coliforn M.P.N.	n Organism % over
Plant Location	ppm	で 日 ppm	ppm	ppm	ppm	%	Avg. ppm	Min. ppm	per ml.	l per ml.
NONMOUTH COUNTY, NEW JERSEY										
Atlantic Highlands	91	48	77	41	36	47	2.0+	2.0+	-0.3	0
17 11	282	126	240	107	133	55	2.0+	1.2	-0.3	0
99 99	183	99	156	84	72	46	2.0+	2.0+	-0.3	0
Highlands	437	218	372	186	186	50	1.4	0.4	-0.3	0
17	258		219				2.0+	2.0+	-0.3	0
Keansburg							-0.1	-0.1	240+	100
Keyport	322	236	273	201	72	26	1.5+	0.2	0.65	25
11	220	219	187	186	1	1	0.4	0.1	120+	50
11	352	225	299	192	107	36	1.3+	0.5	-0.3	0
n	318	170	270	145	125	46	1.5+	0.4	-0.3	0
UNION COUNTY, NEW JERSEY										
Elizabeth Joint Meeting	225	126	192	107	85	44	0	0	240+	100
11 11 11 12 12 12	207	152	176	129	47	27	0	0	240+	100
37 89 82 10 00 00	350	156	298	135	163	55	0	0	240+	100
11 17 13	231	172	187	139	48	26	0	0	240+	100

Class "B" Area. Chlorination Not Required
Less than

						pH		Sus	Tota	al 1 Soli	ds	Set	tleab	Le Sol:	ids
	(PAFT	1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent	Effluent	Remo		Influent	Effluent	Remo	
F	Plant Lo	ocation	Da Vj	E	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
BERGEN	COUNTY;	, N.J.													
Cliffs	ide Park	k	*	16.89	1.2 x										
Englewo n n	ood Cli: "		4-28-49 7- 5-49 9-15-49	0.89	0.12 0.05 0.1	6.8 7.1 7.2	6.8 6.5 6.6	71 123 90	43 77 45	28 46 45	39 37 45	44 42 53	20 23 19	24 19 34	55 45 64
ESSEX	COUNTY,	N.J.				1.50		1000	1						
	ewark - ning Co		*												
HUDSON	COUNTY	, N.J.													
U.S. N Naval	avy Supply	Depot,													
1.000		Bayonne	4- 4-49 **												
"	**	98 98	7-14-49 9-28-49												
								3							
							x	Esti	mated	Avera	ge Fl	OW			

- * No Investigation Made
 ** Results Omitted Security Regulations.

						Deman					
		7 day	20°C.	Calcu	lated	5 day	20°C.				
(FART 2.) Plant Location		dd Influent	d Effluent	d Influent	d Effluent	Remo	val %		dual prine Min. ppm	Coliform M.P.N. per ml.	Organism % over 1 per ml.
BERGEN COUNTY, N.J.		Ppm	- P Par	PP	Ppm	Plan		<u></u>	F		
Cliffside Park	*										
Englewood Cliffs """		133 314 168	99 212 95	113 267 1 43	84 180 81	29 87 62	26 33 43	0 1.1+ 0.6	0 0 0.1	240+ 60+ 12	100 25 50
ESSEX COUNTY, N.J.											
Port Newark - Swift Refining Company	*										
UDSON COUNTY, N.J.											
J.S. Navy Naval Supply Depot Bayon	ne **										

- ** Results Omitted Security Regulations
 * No Investigation Made

		(s)		pł		Sus	Tota		lds		tleab.	le Sol	ids
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent	Effluent	Remo	val	Influent	Effluent	Remo	val
Plant Location		H)	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MIDDLESEX COUNTY, N.J.													
Perth Amboy	3-21-49 5-24-49	41.24	9.9	7.2	7.8	318 172	115	203	64 61	181 98	27	154 79	85 81
19 19	8-16-49		6.6	7.2	7.6	261	69	192	74	149	19	130	87
South Amboy	3-22-49 5-23-49	7.8	0.79	6.6	6.4	249 318	97 70	152 248	61 78	177 216	19 14	158 202	89 94
	8-17-49		0.73	6.5	6.3	277	73	204	74	203	22	181	89
MONMOUTH COUNTY, N.J.													
Atlantic Highlands	3-29-49 6-13-49 8-30-49	2.34	0.52	6.6 6.5 6.8	6.0 6.1 6.2	128 168 219	44 43 58	84 125 161	66 74 74	95 113 143	17 9 13	78 104 130	82 92 91
Highlands	4- 5-49 6-15-49 9-20-49	2.08	0.46 0.4	7.2	6.5	194 249	52 86	142 163	73 65	103 170	6 30	97 140	94 82
Keansburg	9-20-49 *	2.9	0.80 x	7.3	6.4	236	55	181	77	191	33	158	83
Keyport "	3-23-49 6- 9-49 9-13-49	5.15	1.01 0.63 0.58	6.7 6.9 7.2	6.4 6.6 6.6	148 204 290	79 71 70	69 133 220	47 65 76	112 146 240	31 14 26	81 132 214	72 90 89

x Estimated Average Flow * No Investigation Made

			dical (Calcu							
(PART 2.)	Influent	Effluent	Influent	Effluent	Remo	val	Chlo	dual	M.P.N.	Organism % over
Plant Location	Ppm	ppm	Fi ppm	ra mgg	ppm	%	Avg. ppm	Min. ppm	per ml,	l per ml.
MIDDLESEX COUNTY, N.J.			، بودی استیار							
Perth Amboy	323	153	275	130	145	53	1.2	0.1	88+ 23	75 50
99 97	262	141	223	120	103	46	1.7+	0.6	27.5	25
South Amboy	369	184	314	156	158	50	1.3 1.9+	0.6	-0.3 -0.3	0
17 77	361	205	307	174	133	43	1.8	1.4	-0.3	0
MONMOUTH COUNTY, N.J.										
Atlantic Highlands	189 260 372	108 140 197	161 221 316	92 119 167	69 102 149	43 46 47	1.9+ 2.0+ 1.6+	1.5 2.0+ 0.6	-0.3 -0.3 -0.3	0 0
Highlands	320 319	112 119	272 271	95 101	177 170	65 63	2.0+	2.0+ 0.8	-0.3 -0.3	0
" Keansburg *	296	98	252	84	168	67	2.0+	2.0+	-0.3	0
Keyport "	205 298 346	164 194 203	174 253 294	139 165 173	35 88 121	20 35 41	0.9 1.3 1.0	0.4 0.8 0.5	12 -0.3 -0.45	25 0 0

* No Investigation Made - Less than

		~		PH		Sus	Tota		ds_	Set	tleabl	Le Sol	ids
(PART 1.)	te sted	t. Pop. erved housands	Flow	Influent	Effluent	Influent	Effluent	Rem	oval	Influent	Effluent	Remo	val
Plant Location	ai	Est Se: (The	M.G.D.	Avg.	Avg.	ppm		Ppm	%	ppm	ppm	ppm	%
UNION COUNTY, N.J.													
Elizabeth Joint Me		391.12	44	7.5	7.3	190	76	114	60	109	25	84	77
	6-29-49		34	7.2	7.1	271	71	200	74	181	21	160	88
77 77	9- 1-49		34	7.0	7.1	262	63	199	76	158	14	144	91

			nical C . Calcu							
(PART 2.)	uent	uent	lent	uent				idual orine	and the other states of the second states of the se	Organism
Plant Location	ppm ppm	ppm ppm	mdd Influ	mdd Bff]	Remov	val %	Avg. ppm	Min. ppm	M.P.N. per ml.	% over l per ml.
UNION COUNTY, N.J.										
Elizabeth Joint Meeting	235 288	143 157	200 246	122 134	78 112	39 46	0	0	240+ 240+	100 100 ø
17 17 17	227	138	193	118	75	39	0	0	240+	100

& Class "B" Area. Chlorination Not Required

(PART 1.)	ed	Est. Pop. Served (Thousands)		Influent	Effluent	Influent co	fluent	al <u>d Soli</u> Remo		Influents	tleab.	le Soli Remov	
Plant Location	Date	Est. Ser (Tho	Flow M.G.D.	Avg.	Avg.	mag	E E	nad	%	nqq	E mgg	ppm	9/0
NASSAU COUNTY, NEW YORK													
Aircraft Service Corp. (Formerly Columbia Aircraft)	6-21-48 8-23-48				6.0								
Belgrave Sewer District	3-29-48 5-17-48 7-19-48 9-20-48	12.0	1.8 2.1 2.1 1.8	6.5 6.7 6.5 6.7	6.4 6.4 6.3 6.2	177 196 164 242	65 81 45 35	112 115 119 207	63 59 73 86	122 143 110 182	13 34 11 7	109 109 99 175	89 76 90 96
Cedarhurst " "	3-18-48 5-18-48 7-20-48 9-28-48	5.46	1.8 2.0 2.2 1.9	7.0 6.9 6.8 7.0	6.4 6.6 6.4 6.5	262 140 271 267	58 56 53 67	204 84 218 200	78 60 80 75	202 88 222 204	5 14 4 3	197 74 218 201	98 84 98 99
Freeport "	4-20-48 6- 8-48 8- 4-48 10-19-48	11.0	2.3 2.0 2.5 1.8	6.6 6.6 6.4 6.9	6.1 6.2 6.2 6.2	144 167 127 170	39 102 39 39	105 65 88 131	73 39 69 77	103 106 93 107	7 48 6 5	96 58 87 102	93 55 94 95

		cal Oxygen Demand Calculated 5 day 20°C.				
(PART 2.)	Influent	tueniji Removal	Residual Chlorine	Coliform Organism M.P.N. % over		
Plant Location	mag mag	Made made wadd	Avg. Min. ppm. ppm	per l per ml. ml.		
NASSAU COUNTY, NEW YORK						
Aircraft Service Corp. (Formerly Columbia Aircraft)			2.0+ 2.0+ 2.0+ 2.0+	-0.3 0' -0.3 0		
Belgrave Sewer District	197 124 162 91 170 92 230 100	168 105 63 38 138 77 61 44 145 78 67 46 195 85 110 56	1.0+ -0.1 0.3 0.1 0.6 0 1.0+ 0.1	$ \begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$		
Cedarhurst " "	265 122 261 155 323 185 490+ 371	225 104 121 54 222 131 91 41 275 158 117 43 416+ 315 101+ 25+	2.0+ 2.0+ 2.0+ 2.0+ 1.4 0.3 1.8+ 1.3	-0.3 0 -0.3 0 -0.3 0 -0.3 0		
Freeport "	143 79 212 117 163 7 0 242 80	1216655451809981451395980582066813867	1.3+ 0.5 0.8+ 0.2 1.0 0.3 1.1 0.2	-0.3 0 3.73 25 -0.3 0 -0.3 0		

		ls)		Hq		Total Suspended Solids				Settleable Solids			
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	A Influent	AEffluent	gInfluent	gEffluent	Remo	val	dInfluent	dEffluen	Remo	val
Plant Location	Vi	E E	M.G.D.	Avg.	Avg.	mag	maa	ppm	×	ppm	mag	mag	%
NASSAU COUNTY, NEW YORK -	Cont.												
Glen Cove """ """ ""	4-19-48 6-10-48 9-10-48 10-20-48	12.42	2.3 2.1 2.2 2.1	7.0 6.8 6.9	6.5 6.6 6.5	185 196 217 186	98 135 114 82	87 61 103 104	47 31 47 56	140 138 160 136	47 66 46 30	93 72 114 106	66 52 71 78
Great Neck Sewer District Bayview Avenue Plant	3-31-48 5-24-48	8.0	0.75	7.0	6.6	219 212	48 197	171 15	78 7	161	10	151	94
11 64 88 88 11 53	7-13-48 9-20-48		0.89	6.8	6.5	195 250	54 73	141 177	72 71	138 192	12 18	126 174	91 91
East Shore Road Plant """" """" """"	4- 5-48 5-24-48 7-26-48 9-27-48	3.5	2.2 2.0 0.49	6.7 6.7 7.2	6.4 6.4 6.5	94 134 157 198	45 51 52 43	49 83 105 155	52 62 67 78	58 100 123 144	17 20 26 18	41 80 97 126	71 80 79 88
Great Neck Village	5-13-48 9-27-48	6.17	0.69 0.48	7.2	7.3	196 265	109 21	87 244	44	143 182	65 4	78 178	55 98

	B				Demand						
	7 day	20°C.			5 day	20°C.	Reei	dual			
(PART 2.)	nen	nent	nen	fluent				rine	Coliform Organism		
Direct Location	Influen	Effluen	Influen	EF	Remov	%	Avg.	Min.	M.P.N. per	% over 1 per	
Plant Location	ppm	maa	ppm	mad	ppm	10	DDW	ppm	ml.	ml.	
NASSAU COUNTY, NEW YORK -Cont.											
Glen Cove	286	231	243	197	46	19	0.4	0	75+	100	
11 13	265	206	225	175	50	22	1.0	0.5	0.42	0	
11 11	251	187	213	159	56	26	1.3	0.1	8.14	50	
11 12	245	167	208	142	66	32	1.3+	0.6	43	75	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
Great Neck Sewer District						÷ *	• •	•			
Bayview Avenue Plant	217	120	184	102	82	45	2.0+	2.0+	-0.3	0	
11 11 11	320	244	260	198	62	24	1.5+	0.1	-0.3	0	
11 IL II	235	112	200	95	105	53	1.8+	0.6	-0.3	0	
11 11 11	296	184	251	157	94	37	1.4+	0.3	0.45	0	
East Shore Road Plant	115	61	98	52	46	47	0.2	0	137+	100	
11 11 11	165	104	134	85	49	37	0.8	0.2	1.48	25	
11 11 17 11	164	82	140	69	71	51	0.8	0	7.7	75	
11 11 11 11	247	60	210	51	159	76	1.4	0.8	1.9	50	
Great Neck Village	205	150	174	127	47	27					
17 11 11	398	97	338	82	256	76	2.0+	1.8	-0.3	0	

			3				Tot	al					
(PART 1.) Plant Location	Date	Est. Pop. Served (Thousands)	Flow M.G.D.	A Influent	A Effluent	E Influento	Effluentade	Remo		Influent o	tleab Mg Fillneut	Remo ppm	
NASSAU COUNTY, NEW YORK Cont	t.												
Port Washington District (a) U U U U U U U U U U U U U U U U	3-22-48 5-17-48 7-22-48 9-30-48	10.51	1.4 1.5 1.2	7.4 7.1 6.9 7.0	6.5 6.5 6.4 6.4	333 317 287 292	104 104 79 73	229 213 208 219	69 67 72 75	220 226 221 209	30 43 24 20	190 183 197 189	86 81 89 90
Rockville Centre """" """	4-13-48 5-25-48 7-27-48 10- 6-48	18.6	4.0 3.5 3.8 3.2	6.5 6.2 6.4	6.7 6.5 6.7	259 426 123 173	72 42 129 58	187 384 Neg 115	72 90 Neg 66	197 334 78 106	42 23 98 30	155 311 Neg 76	79 93 Neg 72
Koslyn u u	4- 6-48 6- 1-48 8- 9-48 10- 9-48	0.97	0.12 0.1 0.18 0.17	6.7 6.5 6.5 6.8	6.7 6.6 6.6 6.8	124 80 166 142	19 21 31 39	105 59 135 103	85 74 81 73	85 50 123 102	4 7 14 15	81 43 109 87	95 86 89 85
Sea Cliff Long Island Lighting Co.	10- 7-48	0.14			7.1								
West Long Beach District	4-15-48 6-10-48 8- 9-48 10-21-48	3.5 #	0.32 1.0 1.0	7.2 7.3 7.2 7.2	6.7 6.9 6.7 6.8	37 83 275 40	20 47 64 26	17 36 211 14	46 43 77 35	20 47 214 18	3864	17 39 208 14	85 82 97 78

(a) Subject to reinterpretation to reflect solids pumped from chlorine contact chamber.
 # Estimated Summer Population

	Bioche 7 day 20°0	mical Oxygen . Calculated			
(PART 2.)	fluent	fluent	Removal	Hesidual Chlorine	<u>Coliform Organism</u> M.P.N. % over
Plant Location	mag mag	EE mag	maga %	Avg. Min. ppm ppm	per l per ml. ml.
NASSAU COUNTY, NEW YORK Cont.					
Port Washington District (a)	404 132 654+ 201 333 106 350 142	344 112 556+ 171 284 90 298 120	232 67 194 68 178 60	2.0+ 2.0+ 1.0+ 0 1.9+ 1.0 0.8 0	-0.3 0 74+ 50 0.6 25 60+ 25
Rockville Centre """" """	220 61 330 18 146 65 206 69	187 52 281 15 124 55 176 59	135 72 266 95 69 56 117 66	1.7+ 1.0 2.0+ 1.5 1.9+ 0.7 2.0+ 2.0+	$\begin{array}{cccc} 58.4 & 100 \\ -0.3 & 0 \\ 0.6 & 25 \\ -0.3 & 0 \end{array}$
Roslyn """"""""""""""""""""""""""""""""""""	15237195522521422736	129 31 158 42 214 12 193 31	98 76 116 73 202 94 162 84	1.1 0.4 2.0+ 2.0+ 1.5+ 0.3 1.1+ 0.2	-0.3 0 -0.3 0 1.06 25 7.3 50
Sea Cliff Long Island Lighting Co.				0 0	240+ 100
West Long Beach District	57 18 83 48 318 198 48 14	49 15 71 41 270 168 41 12	34693042102382971	2.0+ 2.0+ 2.0+ 2.0+ 2.0+ 2.0+ 2.0+ 2.0+ 2.0+ 2.0+	-0.3 0 -0.3 0 -0.3 0 -0.3 0

(a) Subject to reinterpretation to reflect solids pumped from chlorine contact chamber.

- Less than

		• (spi		P	H	Sus	Tot	al d Soli	lds_	Sett		e Soli	ds
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	AInfluent	A Startinen	Influent	deffluent	Remo	val	dInfluent	gEffluent	Remov	val
Flant Location	Vi	S.T.	M.G.D.	AVg.	Avg.	ppm	ppm	ppm	%	pom	pom	mgg	70
NASSAU COUNTY, NEW YORK Co	ont.												
Hempstead Green Acres Plant	4-27-48	1.0	0.16	6.5	6.4	46	33	13	28	18	72	11	61
	6-21-48 8-23-48		0.27 0.14	6.4	6.2	83 119	24 24	64 95	73 80	65 87	24	63 83	97 95
Lawrence	5- 3-48	4.5	0.5 x	6.5	6.2	105	56	49	47	57	15	42	74
Long Beach													
Lido Beach Plant	4-15-48 6-16-48	7.0	0.26	7.2	6.7	82 88	21 21	61	74 76	41 45	23	39 42	95 93
17 17 17	8-18-48		0.98	7.0	6.7	127	43	84	66	89	15	74	83
New York Avenue Plant	4-27-48	50.0#	3.7	7.3	6.9	121 108	72 74	49 34	40 31	72 77	32 35	40 42	56 55
11 11 11 11	8-22-48			7.1	6.6	143	107	36	25	83	43	40	48
Manor Haven - Grumman No. 5 Plant	*												
Oyster Bay	4-19-48	3.0	1.36	6.6	6.3	106	50 46	56 58	53 56	71	12 15	59 51	83 77
n n	8-11-48		1.47	6.3	6.2	111	38	73	66	78	. 12	66	85
n n	10-20-48			6.7	6.2	105	41	64	61	71	13	58	82

* No Investigation Made # Estimated Summer Population x Estimated Average Flow

			ical Ox Calcul							
(PART 2.) Plant ocation	Influent	g Effluent	d Influent	d Effuent	Remov			dual prine Min. ppm	Coliforn M.P.N. per ml.	n <u>Organism</u> % over 1 per ml.
NASSAU COUNTY, NEW YORK Cont.								dischart sprage	and the second	and a second sec
Hempstead Green Acres Plant """"	112 150 174	64 48 47	95 128 148	54 41 40	41 87 108	43 68 73	2.0+ 0.9 1.7+	2.0+ 0.2 1.2	0.3 17.5 -0.3	0 50 0
Lawrence	131	93	111	79	32	29	2.0+	2.0+	-0.3	0
Long Beach Lido Beach Plant """"	142 196 200	43 35 148	121 167 170	37 30 126	84 137 44	69 82 26	2.0+ 1.6+ 0.6	2.0+ 0,8 0.1	-0.3 -0.3 -0.3	0
New York Avenue Plant	137 129 199	80 111 258	117 110 169	68 95 219	49 15 Neg	42 14 Neg	1.6+ 2.0+ 2.0+	0.4 1.9 2.0+	7.2 -0.3 -0.3	75 0 0
Manor Haven - Grumman No. 5 Plant *										
Oyster Bay II II II II II II II II	150 110 139 190	120 57 61 76	127 93 118 162	102 49 51 65	25 44 67 97	20 47 57 60	1.6+ 2.0+ 2.0+ 2.0+	1.0 2.0+ 2.0+ 1.9	-0.3 -0.3 -0.3	0 0 0

* No Investigation Made - Less than

		8)		ph	- 		Tota		ds		and the second second second second	e Soli	ids
(PART 1.)	Date Visted	Est. Pop. Sarved (Thousends)	Flow	Influent	Effluer	Influent	Effluent	Remo	val	Influent	Effluent	Remov	val
Plant Location	Å Þ	E C	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppn	%
NASSAU COUNTY, N. Y. Aircraft Service Corp.	*												
Belgrave Sewer District	4-14-49	12.0	2.1	7.1	6.5	205	74	131	64	145	22	123	85
9 ²² 97 97	5-17-49		2.0	6,9	6.4	171	46	125	73	129	10	11.9	92
17 97 27	8- 1-49		1.2	6.9	6.5	266	46	220	83	203	8	195	96
Cedarhurst	3-22-49	5.46	2.0	7.0	6.6	176	64	112	64	122	9	113	93
17	5-25 49		2.2	6.9	6.6	131	64	117	65	114	9	105	92
3	8-10-49		2.2	6.8	6.4	1.60	59	101	63	11.3	12	101	89
Freeport	4-12-49	11.0	2.2	6.7	6.3	197	71	126	64	127	9	118	93
R	6- 1-49		2.1	6.8	6.3	175	56	119	68	122	14	108	89
11	8-25-49		2.3	6.8	6.3	173	53	120	69	118	9	109	92
Glen Cove	4-18-49	12.42	2.44	7.2	7.0	179	84	95	53	134	32	102	76
97. 92	6-13-49		2.4	7.0	6.5	208	135	73	35	159	78	81	51
TF TT	9-20-49		2.3	6.8	5.3	204	103	101	50	177	77	100	56
Glen Cove													
Morgan Island Estates	4-26-49	0.03		7.0	6.8	23	6	17	74	18	1	17	94
Great Neck Sewer District								-			5		
Bayview Avenue Plant	3-28-49	8.0	0.8	7.1	6.7	261	57	204	78	195	15	180	92
TT TT IT	5-24-49		0.8	6.9	7.3	217	55	162	75	174	12	132	93
97 TZ F5	8-18-49		0.8	6.8	6.4	209	52	157	75	175	14	161	92

* Industrial, Operations Discontinued

		Biochem y 20°C.								
(PART 2.)	Influent	Effluent	Influent	Effluent	Remo	val		idual pring Min,	M.P.N. per	Organism % over 1 per
Plant Location	ppm	ppm	ppm	ppm	ppm	%	ppm	ppiň	ml.	ml.
NASSAU COUNTY, N. Y.										
Aircraft Service Corp.	*									
Belgrave Sewer District	222 215	120 118	189 183	102	87 83	46 45	1.6+ 1.8+	0.4	-0,3 -0,3	ë O
3 19 H	276	115	235	98	137	58	1.3	0	61+	50
Cedarhurst	250	167	213	142	71	33	2.0+	2.0 0.6	0-3 0.3	0
57	244	171	208	146	62	30	2.0+	1.9	-0.3	0
Freeport	251 232	113 99	214	96 84	118 113	55 57	0.8	0.4	-0.3	0
	262	107	223	91	132	59	1.5	C. 6	-0.3	C
Glen Cove	264 263 269	196 231 201	224 224 229	166 196 171	58 28 58	26 13 25	0.7 1.0 1.5	0 0.1 0.6	138+ 73+ 23	100 75 50
Glan Cove	205	201	667	A1 A	00	20	Teo	0.0	20	50
Morgan Island Estates	16	7	14	6	8	57	2.0+	2.0+	-0.3	0
Great Neck Sewer District Bayview Avenue Plant	321	148	273	126	147	54	1.7+ 1.6	0.4	-0.3 -0.3	0
11 12 17	245	125	208	106	102	49	1.4+	0	11.5	25

* Industrial, Operations Discontinued - Less than

					-		pH	I		Tota	al d Soli	ds	Set	tleab	le Sol	ids
	(PAR	2 1.)		Date Visted	Est. Pop. Serveů (Thousands)	Flow	Influent	Effluent	Influent	Effluent	Romo	val	Influent	Ifiumi	Remo	
F	lant]	Locati	on	<u>A P</u>	E ST	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppni	ppm	ppm	%
NASSAU	COUNI	Y, N.	Y. co	nt.												
Great 1																
	Shore				3.5	0.61	6.7	6.5	150	61	89	59	105	21	84	80
24	**	77	28	5-16-49		0.6	6.7	6.6	148	54	94	64	108	21	87	81
S.	12	17	**	7-25-49		0.4	6.7	6 g 5	212	49	163	77	174	14	160	92
rt.	**	19	**	10-17-49		0.4	6.7	5.3	158	42	116	73	127	21	106	83
Great	Neck V	illage	9	4-21-49	6.17	0.64	7.3	6.9	230	29	201	87	134	7	127	95
44	74	**		71849		0.74	7.2	7.0	337	32	305	91	228	6	222	97
22	77	**		10- 4-49		0.62	7.1	6.9	238	6	232	97	171	3	168	98
Hampst	ead					-										
	n Acre	s Plar	nt	5- 9-49	1.0	0.13	6.7	6.3	77	33	44	57	46	12	34	74
ti	Ħ	12		7-21-49			6.8	6.4		00	**	01	10		01	14
Lowren	60.			3-21-49	4.5	0.5	6.7	6.4	173	54	119	69	105	8	97	92
18				5-18-49		0.77	6.6	6.4	136	56	80	59	84	20	64	76
11				8- 8-49		0.67	6.6	6.2	270	CO	210	78	200	10	190	95
Long B	each															
	Beach	Plant	t	4-19-49	7.0	1.8	7.0	6.8	81	28	53	65	43	14	29	67
77	12	**		6-15-49			7.0	6.7	102	39	63	62	62	12	50	81
97	-	12		10-17-49			7.0	6.7	134	36	98	73	107	21	86	80
New	York A	venue	Plant	4- 7-49	#50.0		7.6	6.8	98	62	36	37	55	20	35	64
11	99	**	17	6-28-49		5.0	7.4	6.7	242	113	129	53	194	58	136	70
11		**	**	9-27-49		4.0	7.7	7.0	138	87	51	37	89	41	48	54

Estimated Summer Population

							Calcu							
(P	art 2	2.)			Influent	Effluent	Influent	Effluent	Remo	val		dual mine Min.	Coliform M.P.N. per	(<u>irganism</u> % over 1 per
Flon	t Lco	ation			ppm	ppm	ppm	ppm	ppm	76	ppm	ppm	ml.	ml.
NASSAU C	OUNTY	r, N.Y	. cont						(2000)					
Great Na East Si				t	170	94	145	80	65	45	1.1	0.4	12.4	75
43	**	77	**		237	104	202	88	114	56	0.6	Trace	96	1.00
96	92	25	**		203	89	172	76	96	56	1.2	0.4	9.8	100
92	12	17	**		214	99	182	85	97	53	1.6+	0.1	40	25
Great Ne	ck Vi	llage			283	28	240	24	216	90	1.8+	1.5	-0.3	C
12	99	11			355	22	302	18	284	94	1.6	0.8	-0.3	0
46	79	17			333	13	283	11	272	96	2.0+	2.0	-0.3	0
APRIL TOD	đ.											262-12		
Green . "	Acres "	Plan "	t		183	60	156	51	105	67	1.9+ Trace	1.3 Trace	-0.3 240+	0
Lawrence					255	139	217	118	99	46	2.0+	2.0+	-0.3	0
7¥ 87					324	1.86	276	158	118	43	2.0+	2.0+ 2.C+	-0.3	CO
					064	1.00	610	100	110	40	2.01	6.01	-0.0	U
Long Bea														
Lido B					148	65	126	56	70	56	1.9+	1.5	-0.3	0
**	**	**			139	90	118	77	41	35	1.3+	0.6	-0.3	0
**		11			180	92	153	78	75	49	2.0+	1.9	-0.3	0
New Yo					147	127	125	108	17	14	1.5+	-0.1	-0.3	0
**	79	**	**		201	158	171	135	36	21	2.0+	2.0+	-0.47	0
77	72	**	**		191	159	163	135	28	17	1.5	0.8	-0.3	0

Estimated Summer Population
- Less than

					H	Gua	Tota	l Soli	da	Sat	tloob	le Sol:	ida
(PART l.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent	Effluent	Remo		Influent	Effluent	Remo	
Plant Location	De	E C	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	0%	ppm	ppm	ppm	%
NASSAU COUNTY, N.Ycont.													
Manor Haven Grumman #5 Plant	*												
Oyster Bay	4-18-49	3.0	1.57	6.5	6.3	102	53	49	48	78	25	53	69
11 11	6-14-49		I.45	6.8	6.3	125	49	76	61	96	19	77	30
98 89	9- 7-49		1.5	6.6	6.4	108	31	77	71	65	12	53	82
Port Washington District (a) 4- 5-49	10.51	1.4	7.3	6.5	309	74	235	76	237	24	213	90
77 77 12	6- 6-49		1.5	7.0	6.4	316	92	224	71	231	28	203	88
77 77 77	8-31-49		1.4	6.8	6.4	244	70	174	71	179	19	160	89
Rockville Center	3-29-49	18.61	4.0	6.7	6.7	265	53	212	80	217	27	190	88
et H	6- 8-49		3.4	6.6	6.8	137	61	76	55	96	46	50	52
11 11	8-17-49		3.2	6.1	6.7	204	20	184	90	150	11	139	93
Roslyn	3-30-49	0.97	0.23	6.6	6.8	105	23	82	78	65	6	59	91
**	6- 9-49		0.21	6.6	6.8	144	33	111	77	105	17	88	84
17	9-19-49		0.23	6.5	6.7	160	31	129	81	129	21	108	84
Sea Cliff													
Long Island Lighting Co.		0.14											
Tank No. 1	9-28-49	(e)											

Tank No. 2

9-28-49

* Industrial, Operations Discontinued
(a) Subject to reinterpretation to reflect solids pumped from chlorine contact chamber.

		Biochen				and ay 20°C.				
(PART 2.)	influen	Fifluen	Influenț	ffluent	Remo			dual. pring	Coliform M.P.N.	Organism % over
Plant Location	F. pom	2 mag	E pom	년 mag	ppm	%	Avg,	Min.	per ml.	l per ml.
	O JAAR		Pom		Ppid		EE	<u>Ispan</u>		
MASSAU COUNTY, N.Y.										
Manor Haven Grumman #5 Plant *										
Oyster Bay	157	122	134	104	30	22	1.7+	0.1	3.6	25
82 48 82 89	133 165	98 99	114 141	84 84	30 57	26 40	2.0+	2.0+2.0+	-0.3	0
Port Washington District (a)	385 425	169 203	327 361	144 173	183 188	56 52	1.8+	1.0	-0.3 -0.3	0
17 13 11	329	151	280	129	151	54	1.0	0.1	60.2	25
Rockville Center	217	38	184	32	152	83	2.0	1.5	-0.52	25
1) 12 11 12	168 194	76 33	143 165	65 28	78 137	55 83	1,7 2.0+	1.2 2.0+	0.88	25 0
Roslyn	177	57	151	48	103	68	2.0+	2.0	-0.3	0
8	207 206	28 26	176 175	24 22	152 153	86 87	2.0+	2.0	-0.3 0.36	0
Sea Cliff										
Long Island Lighting Co. Tank No. 1							2.0+	2.0+	-0.3	0
Tank No. 2							2.0+	2.0+	-0.3	õ

* Industrial, Operations Discontinued
(a) Subject to reinterpretation to reflect solids pumped from chlorine contact chamber.
Less than

		ŝ		pH		Sus	pended	al 1 Solid	ls	Set	tleab	le Sol:	ids
(PAET 1.)	Date Visted	Est. Pop. Served (Thousand	Flow	Influent	Effluent	Influent	Effluent	Remo	val	Influent	Effluent	Remo	val
Plant Location	A >	ы ····	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MASSAU COUNTY, N.Y cont.													
Mest Long Beach District	4-26-49	# 3.5	1.0	7.1	6.8	88	32	56	64	67	5	62	93
24 1 7 17 17	6-23-49		0.7	7.1	6.7	224	56	168	75	169	14	155	92
94 FG 97 FF	9-26-49		0.33	7.0	6.7	239	41	198	83	202	15	187	93

Estimated Summer Population

ma

					Demand 5 day					
(PART 2.)	Influent	uent	Influent	uent				dual orine	The second	Organism
Plant Location		Effl.	ppm [Jul	dd Effl	ppm	%	Avg. ppm	Min. ppm	M.P.N. per ml,	% over 1 per ml.
HASSAU COUNTY, N.Y cont.										
West Long Beach District	105	58	89	49	40	45	1.5	1.0	-0.3	0
99 87 89 EF	259	155	221	132	89	40	1.7+	0.2	60+	25
97 98 99 99	290	124	247	105	142	57	0.6	0.2	-0.69	25

- Less than

		10		1	pH	Sus	Tota	al d Soli	de	Set	tleab	le Sol:	ids
(PART 1.) Plant Location	Date Visted	Est. Pop. Served (Thousands)	Flow M.G.D.	AInfluent	SEffluent.	E Influente	Effluen	Remo		Influent	d Ffluent	Remov	val
NEW YORK COUNTY, NEW YORK													
Canal Street	*	37.85	8.0 x										
Dyckman Street	*	38.95	7.0 x										
U.S. Army and Federal Reservation Bedloes Island	*												
Wards Island """" """"""""""""""""""""""""""""""	4- 5-48 5-27-48 8- 5-48 10-21-48	1342	232 268 223 262	7.4 7.1 7.2 7.3	6.8 6.9 6.8 6.8	265 223 190 241	21 37 23 6	244 186 169 235	92 83 89 98	191 155 121 16 6	17 27 10 3	174 128 111 163	91 83 92 98

x Estimated Average Flow * No Investigation Made

		Biochem								
(IART 2.)	Influent p	Effluent 2.	Influent	Effluent at	Remo	y 20°C. val		dual prine	Coliforn M.P.N.	Organism % over
Plant Location	H ppm		A ppm		ppm	96	Avg. ppm	Min. ppm	per ml.	l per ml.
NEW YORK COUNTY, NEW YORK										
Canal Street *										
Dyckman Street *										
U.S. Army and Federal Reservation Bedloes Island *										
Wards Island """ """ """	224 237 204 280	11 32 20 11	190 201 174 239	9 27 17 10	181 174 157 229	95 87 90 96	0 0 0	0 0 0	240+ 240+ 240+ 240+	100 100 100 ø 100

Class "B" Area. Chlorination Not Required * No Investigation Made

		50		pH	I	Sus	Tota	al 1 Soli	ds	Set	tleab.	le Soli	ids
(PART 1.)	Date Visted	Est. Pop. Served (Thousands	Flow	Mufluent	Fffluent	Influent	fluent	Renc	val	dinfluent	Truent	Remov	val
Plant Location	Dat	Est 3e (Th	M.G.D.	Avg.	AWg.	ppm	ppm	ppm	%	ppm	pfim	ppm	70
BRONX COUNTY, NEW YORK													
Hart-City Island	6-14-48 8-25-48	4.85	1.3	6.8	6.8	76	46 37	30 90	39 71	36 85	20 9	16 76	44 89
Orchard Beach	8-21-48	60.0 #		7.0	6.3	50	35	15	30	20	5	15	75
KINGS COUNTY, NEW YORK													
26th Ward """ """ """	4-22-48 6-17-48 8-16-48 9-22-48	394.0	40 41 42 40	7.5 6.8 7.0 7.0	7.5 6.9 7.1 7.1	186 127 124	80 48 72	106 79 52	57 62 42	133 66 59	26 10 20	107 56 39	80 85 66
U.S. Navy Floyd Bennett Field """"	4-29-48 7-15-48 9-22-48	**											

Estimated Summer (Sunday) Population
** Results Omitted - Security Regulation

	The second se	iochem	A REAL PROPERTY OF THE OWNER.	and the second second	the second s	nd 7 20°C.				
(PART 2.)	dInfluend	dEffluent	dInfluent		Remov	val	Chle Avg.	ldual prine Min.	M.P.N. per	Organism % over 1 per
Plant Location	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ml.	ml.
BRONX COUNTY, NEW YORK										
Hart-City Island	98 144	69 101	83 123	58 86	25 37	30 30	1.2+	0.4	-0.3 60+	0 25
Orchard Beach	52		47				2.0+	2.0+	-0.3	0
KING COUNTY, NEW YORK										
26th Ward """ """	264 218 270	173 168 215	224 185 230	147 143 183	77 42 47	34 23 20	0 0.3 0.1 0.1	0 0.2 0 0.1	240+ 2.15 194+ 240+	100 50 100 100
U.S. Navy Floyd Bennett Field **										

22 11 111

**

Less than Results Omitted - Security Regulations

		(2)		pl	H	Sus	Tota	al d Soli	ds		tleab	le Soli	ids
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influen	Effluen	Influen	Effluen	Remc		Influent	Effluen	Remo	
Plant Location	<u>AÞ</u>	E	<u>M.G.D.</u>	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
QUEENS COUNTY, NEW YORK													
Bayside Gables	7- 6-48 7-28-48			6.0	6.0								
Bowery Bay """ """	3-25-48 5-27-48 7-29-48 10-18-48	274	43 47 44	7.1 7.2 7.2 7.1	7.2 7.2 7.3 7.1	163 138 150 226	32 46 9 85	131 92 141 141	80 67 94 62	112 93 117 167	12 11 6 31	100 82 111 136	89 88 95 81
Coney Island	4-21-48 6- 7-48 8- 3-48 10- 4-48	441.5	57 82 67	7.3 7.2 6.8 7.3	7.4 7.3 6.7 7.3	207 341 189 159	53 71 43 61	154 270 146 98	74 79 77 62	156 269 154 95	16 27 14 13	140 242 140 82	90 90 91 86
Hammels	6-30-48 9-22-48	23.0	5.3 x	7.1	6.8 6.7								
Jamaica " "	4-21-48 6-17-48 8-16-48 9-22-48	347.0	44 56 50 42	7.3 7.4 7.3 7.6	7.1 7.0 7.0 7.0	223 223 272	25 16 17	198 207 255	89 93 94	177 176 212	11 6 6	166 170 206	94 97 97

x Estimated Average Flow

The second

		ochemi 20°C.					-				
(PART 2.)		the second se	11	-+					dual prine	All all and a second se	Organism
Plant Location	d Influent	BEffluent	d Influent	dEffluen	Ppm	val %		Avg. ppm	Min. ppm	M.P.N. per ml.	% over l per ml.
QUEENS COUNTY, NEW YORK											
Bayside Gables								1.5	1.5	-0.3	0
Bowery Bay IIIII IIIII IIIII	239 186 211 240	39 60 7 129	203 159 179 204	33 51 6 110	170 108 173 94	84 68 97 46		00000	0000	240+ 240+ 240+ 240+	100 100 100 ¢ 100
Coney Island	199 281 141 161	97 99 65 89	169 238 120 137	82 84 55 75	87 154 65 62	51 65 54 45		0 0 1.1 0	0 0.5 0	240+ 240+ 0.3 240+	100 100 0 100
Hammels								0.8	0.8	24.0 92	100 100
Jamaica " "	236 263 358	49 66 19	201 224 305	41 56 17	160 168 288	80 75 94		0 -0.1 0.3 0.5	0 0 Trace 0.5	240+ 67 182+ 28	100 100 100

			pH	Total Suspended Solid	s Settleable Solids
(PART 1.) Plant Location	Date Visted Est. Pop. Served (Thousands)	Flow M.G.D.	Barfiluent Saffluent	wantjug pom ppm ppm	val uen gem ppm %
QUEENS COUNTY, NEW YORK	-Cont.				
Tallmans Island	4- 7-48 113.0 5- 5-48 7- 1-48 9- 2-48	21 23 26 22	7.37.17.17.17.06.87.16.7	163 17 146 113 5 108	80100198181901261311390968728598988828698
U.S. Army Fort Tilden	5-12-48 ** 6-30-48 8-26-48				
Fort Totten	5- 3-48 ** 7- 6-48 9- 2-48				

			pH	Total Suspended Solid	s Settleable Solids
(PART 1.) Plant Location	Date Visted Est. Pop. Served (Thousands)	Flow M.G.D.	Barfiluent Saffluent	wantjug pom ppm ppm	val uen gem ppm %
QUEENS COUNTY, NEW YORK	-Cont.				
Tallmans Island	4- 7-48 113.0 5- 5-48 7- 1-48 9- 2-48	21 23 26 22	7.37.17.17.17.06.87.16.7	163 17 146 113 5 108	80100198181901261311390968728598988828698
U.S. Army Fort Tilden	5-12-48 ** 6-30-48 8-26-48				
Fort Totten	5- 3-48 ** 7- 6-48 9- 2-48				

(PART 1.) Plant Location	Date Visted	Est. Pop. Served (Thousands)	Flow M.G.D.	A Influent	H tuent Jue H	ad Influent S	Tota bebned mgg mgg	al <u>i Solia</u> Remo <u>ppm</u>		d Influent S	tleabl mggEffluent mgg	Remo Ppm	
RICHMOND COUNTY, NEW YORK													
Ass'n For Improvement of The Poor	*												×.
Cromwell Avenue	6- 3-48 8-30-48	15.85	3.5	7.0	6.7								
Halloran ^G eneral Hospital """ """	4-26-48 6-16-48 8-17-48	8.0	0.27 0.32 0.26	6.5 6.6 6.7	6.3 6.2 6.3	154 137 154	52 51 57	102 86 97	66 63 63	105 83 88	17 17 22	88 66 66	84 80 75
Mount Loretto Home (New Plant)	8-30-48	0.5	0.03 x		6.8								
Mount Loretto Home (Old Plant)	*	1.0	0.09 x										9
Oakwood Beach	6- 3-48 8-30-48	7.05		7.0	6.8 6.8							1	•
Richmond Memorial Hospital	8-30-48	0.25			6.6								
St. Josephs Home	*												

* No Investigation Made x Estimated Average Flow.

		nical Or							
	7 day 20°C.	Calcul		5 day	20°C.				
(PART 2.)	uent	uent	uent				dual prine		Organism
Plant Location	d Influent dEffluent	dInfluent	dEffluent	Remo [.]	%	Avg. ppm	Min. ppm	M.P.N. per ml.	% over l per ml.
RICHMOND COUNTY, NEW YO K									
Ass'n For Improvement of the Poor *									
Cromwell Avenue						1.0 2.0	1.0 2.0	1.5 0.73	100
Halloran General Hospital	301 239 201 171 230 170	256 171 195	203 146 144	53 25 51	21 15 26	0.3 -0.1 1.2	0.1 0 0	55 240+ 4•3	50 100 100
Mount Loretto Home (New Plant)						2.0+	2.0+	-0.3	0
Mount Loretto Home (Old Plant) *									
Oakwood Beach						1.9 2.0	1.9 2.0	-0.3 -0.3	0
Richmond Memorial Hospital						Trace	Trace	240+	100
St. Josephs Home *									

Less than
No Investigation Made
Class "B" Area. Chlorination Not Required

		s)			T	H	Sus	Tota	al 1 Solie	ds	Set	tleabl	Le Sol:	ids
(PART 1.)	Date	Est. Pop. Served (Thousands)	Flow		Multuent	A fuent	unfluent	ffluent	Remo		unfluent	d ffluent	Remo	val
Plant Location	Dat Vis	TSU TSU	M.G.D	• <u>A</u>	显.	AVg.	ndq	ppin	ppm	K	upin	तविव	maa	R
BRONX COUNTY, N. Y.														
Hart-City Island	5- 9-49 7-13-49 10-24-49	4.85	0.3 0.71 0.9	7.6.	.5	7.1 6.6 7.0	130 68 150	56 42 76	74 26 74	57 38 49	80 31 107	24 .9 30	56 22 77	70 71 72
Orchard Beach	8-24-49	60.0 #		6.	8	6.0								
KINGS COUNTY, N. Y.														
Preferred Oil Company	9-22-49	0.02				6.6								
Sea Gate	7-13-49			6.	.8	7.1	96	100	Neg	Neg	46	58	Neg	Neg
26th Ward """ H "	4-25-49 7-11-49 11- 3-49	394.0	40 39 40	7. 7. 7.	3	7.4 7.2 7.3	207 160 160	107 90 92	100 70 68	48 44 43	145 81 109	51 24 47	94 57 62	65 70 57
U.S. Navy Floyd Bennett Field """"	5-23-49 7-14-49 10-19-49	**												
NEW YORK COUNTY, N. Y.														
Canal Street	*	37.85	8.0	x										
Dyckman Street	*	38.95	7.0	x	*:	* Resu	lts Omi						S	

Estimated Summer (Sunday) population
* No Investigation made

			nical (Calcu								
(PART 2.)	d Influent	Effluent	dInfluent	dEffluent	Remo	val		Chlo	dual prine Min.	M.P.N. per	Organism % over 1 per
BRONX COUNTY, N. Y.	ppm	ppm	ppm	ppm	ppm	70	I	opm	ppm	ml.	
Hart-City Island	173 103 199	96 61 92	147 87 170	81 52 78	66 35 92	45 40 54		0	00.1	240+ 3•4	100 50
Orchard Beach		*					2	.0+	2.0+	-0.3	0
KINGS COUNTY, N. Y.											
Preferred Oil Company								0	0	240+	100
Sea Gate	130	122	111	104	7	6	2	.0+	2.0+	6.1	50
26th Ward	263 228 266	178 143 177	223 194 225	151 122 150	72 72 75	32 37 33		0	0	240+ 240+	100 100
U.S. Navy Floyd Bennett Field **											
NEW YORK COUNTY, N. Y.											
Canal Street *											
Dyckman Street *						*	No In		gation Mac	de	

- Less than

** Results Omitted - Security Regulations

							Tot	al					
		~		p			spende	d Sol:	ids		ttleat	le So	lids
(part)	(1.) Vation	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent	Effluent	Remo	oval	Influent	Effluent	Remo	oval
Plant Lo	cation AP	PA ····	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	70
NEW YORK COUN	IY, N. Y cont.												
	eservations												
Bedloes :	[sland *												
Wards Island	3-24-49	1342.0	313	7.4	6.8	202	12	190	94	138	10	128	93
14 14	6-30-49		289	7.1	6.7	219	12	207	95	150	7	143	95
12 13	9-29-49)	256	7.0	6.7	175	10	165	94	113	7	106	94
QUEENS COUNTY	, N.Y.												
Bayside Gables	s 6-16-49)		6.0	6.0								
¥2 55	8-29-49)			6.0								
17 17	10-18-49			5.4	5.2	7	10	Neg	Neg	6	6	0	0
Bowery Bay	3-17-49	274.0	46	7.3	7.2	239	11	228	95	197	9	188	95
87 ¥¥	5-19-49		41	7.1	7.2	194	13	181	93	150	9	141	94
PP 99	7-20-49	1	48	7.0	7.1	136	3	133	98	92	2	90	98
77 97	10- 6-49		39	7.4	7.2	196	10	186	95	160	7	153	96
Coney Island	4- 4-49	441.5	67	7.3	7.4	200	71	129	65	148	21	127	86
17 78	5-31-49		59	7.3	7.2	291	78	213	73	221	29	192	87
92 97	8-15-49		51	7.3	6.9	141	33	108	77	97	5	92	95

* No Investigation made

		iochem 20°C.								
(PART 2.)	Influent	Effluent	Influent	Effluent	Remo			idual prine	Coliform M.P.N.	Crganism % Over
Plant Location						đ	Avg.	Min.	per	l per
	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ml.	ml.
NEW YORK COUNTY, N. Y Cont.										
U.S. Army and Federal Reservations Bedloes Island *										
Wards Island							0	0	110	100
** **	206	5	175	4	171	98	0	0	240+	100 ø
17 17	188	7	159	6	153	96	0	0	240+	100
QUEENS COUNTY, N.Y.										
Bayside Gables							0.4	0.4	4.2	100
87 87							2.0	2.0	-0.3	0
98 9 0	16	13	14	11	3	21				
Bowery Bay	251	9	213	7	206	97	0	0	110	100
FP F2							0	0	240+	100 ¢
FT 78	169	13	144	12	132	92	0	0	240+	100
** **	240	14	204	12	192	94	0	0	240+	100
Coney Island	237	123	202	104	98	49	0	0	240+	100
18 17	244	107	207	91	116	56	0	0	240+	100
99 TE	135	52	115	41	74	64	0.8	0.1	-0.3	0

* No Investigation made
 Ø Class "B" area. Chlorination not required.

- Less than

		s)		pH			Tota	<mark>al</mark> d Soli	ds	Set	tleab	le Sol:	ids
(PART 1.) Plant Location	Date Visted	Est. Pop. Served (Thousands)	Flow M.G.D.	And Influent	A Effluent	d Influent	d Effluent	Remo	val %	ad Influent	d Effluent	Remo	val %
QUEENS COUNTY, N.Y. cont.													
Hammels "	6- 8-49 7-21-49 9-22-49	23.0	5.3 x	7.0 7.0 7.1	6.7 6.9 6.8								
Jamaica "	4-11-49 7-12-49 10- 5-49	347.0	42 42 45	7.3 7.0 7.2	7.2 7.1 7.1	397 239 256	47 20 20	350 219 236	88 92 92	312 184 208	22 6 7	290 178 201	93 97 97
Tallmans Island """	4-13-49 6-27-49 10- 3-49	113.0	21 24 24	7.4 7.1 7.2	6.9 7.0 7.0	134 186 144	21 13 11	113 173 133	84 93 92	81 131 89	13 7 6	68 124 83	84 95 93
U.S. Army Fort Tilden	5- 2-49 7-13-49 10-31-49	**											
Fort Totten	5- 2-49 7-21-49 10-24-49	**											
RICHMOND COUNTY, N.Y.													
Ass'n For Improvement of The Poor					** R	esults	Omitt	ced -	Secur	ity k	egulat	tions	

- x Estimated Average Flow * No Investigation Made

	7 day	20°C.	ical O Calcu	xygen lated	Demand 5 day	20°C.				
(PART 2.)	d Influent	Effluent	dInfluent	gEffuent	Remo		Chlo	dual	Coliform M.P.N.	% ove
Plant Location	ppm	E L	ppm	DEF	ppm	to	Avg.	Min, ppm	per ml,	l per ml.
QUEENS COUNTY, N.Y. cont.										
Hammels "							0.4 0.1 0.2	0.4 0.1 0.2	2,3 240+ 240+	0 100 100
Jamaica	301	73	256	62	194	76	0	0	240+	100
1	249 232	45 43	212 198	38 37	174 161	82 81	0	0	240+	100
Tallmans Island	132 180 171	23 8 9	112 153 146	19 6 8	93 147 138	83 96 95	000	0 0	240+ 240+ 240+	100 100 100
J.S. Army Fort Tilden **										
Fort Totten **										
17 11										
RICHMOND COUNTY, N.Y.										
iss'n For Improvement of *										

* No Investigation Made

		~		pł	I	Sus	Tota	al d Soli	ds	Set	tleab	le Sol	ids
(PART 1.) Plant Location	Date Visted	Est. Pop. Served (Thousands)	Flow M.G.D.	Barb Influent	Avg.	Influent	Effluent	Remo	val %	d Influent	d Effluent	Remo ppm	val %
RICHMOND COUNTY, N.Y con	it.												
Cromwell Avenue	5-16-49 8- 8-49	15.85	3.5	7.0	6.7								
Halloran General Hospital	3-28-49 6-20-49 10-19-49	8.0	0.47 0.57 0.58	7.3 7.1 7.8	6.7 6.4 6.7	208 210 234	71 71 73	137 139 161	66 66 69	134 125 169	21 32 36	113 93 133	84 74 79
Mount Loretto Home (New Plt	5-16-49 8- 8-49	0.5	0.03 x										
Mount Loretto Home (Old Plt)	*	1.0	0.09 x										
Oakwood Beach	5-16-49 8- 8-49	7.05	4	7.2 7.4	6.8 7.1								
Richmond Memorial Hospital	5-16-49	0.25											
St. Josephs Home	* *												

* No Investigation Made x Estimated Average Flow

(FART 2.)	Influent	Effluent	Influent	Effluent	Remo	val		idual orine	Coliform M.P.N.	Organism % over
	IN	Eft	Inf	Eft	Itomo	I'GT	Avg.	Min.	per	l per
Plant Location	ppm	ppm	ppm	ppp	ppm	%	ppm	ppm	ml.	ml.
RICHMOND COUNTY, N.Y cont.										
Cromwell Avenue							2.0	2.0	0.36	0
96 P¥							1.2	1.2	0.36	0
Halloran General Hospital	355	283	302	241	61	20	0.1	0.1	2.3	100
FF TT FS	367	212	313	181	132	42	0.1	0	240+	100
TP TT TP	323	243	275	206	69	25	0.2	0	240+	100
Mount Loretto Home (New Plt)							2.0+	2.0+	-0.3	0
99 92 99 99 99							1.0	1.0	0.36	0
Nount Loretto Home (Old Plt.) *										
Dakwood Beach							1.9	1.9	2,3	100
89 82							2.0	2.0	-0.3	0
Richmond Manarial							2	. A.		
Hospital							-0.1	-0.1	240+	100

* No Investigation Made
Ø Class "B" Area. Chlorination not required
Less than

		~					Tota						
					H		pendec	d Soli	ds	Set	tleab	le Sol:	ids
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent	Effluen	riemo	val	nfluen	Éffluen	Remov	val
Plant Location	Da Vi	E C C	M.G.D.	Avg.	Avg.	ppm	mqq	mqq	to	ppm	ppm	ppm	To
ROCKLAND COUNTY, NEW YORK													
Haverstraw	5- 4-48	5.91	0.78	7.5+	7.6+	241	140	101	42	130	43	87	67
н	6-29-48		0.71	7.6+	7.0	231	84	147	64	143	9	134	94
11	9-14-48		0.7	7.4	7.2	335	124	211	63	231	29	202	87
Jewish Convalescent Home	0 22 10	0.04	0.006 x	7.3	6.6								
Grand View on Hudson	7-13-48	0.06	0.000 x	(•)	0.0								
Letchworth Village	9- 8-48	2.5	0.3 x	6.8	6.6	200	60	140	70	120	15	105	88
New York State Rehabilitation	1												
Hospital	8-26-48	0.3	0.04 x	6.8	6.7	111	71	40	36	88	17	71	81
Nyack	5- 6-48	5.15	0.63	7.4	7.3	191	82	109	57	126	23	103	82
11	6-28-48		0.8	7.2	6.8	221	54	167	76	160	10	150	94
11	9- 9-48		0.62	7.4	6.9	220	70	150	68	148	13	135	91

x Estimated Average Flow

		Biochem y 20°C,					C .				
(FART 2.)	Influent	Effluent	Influent	Effluent	Remo	val			dual	Coliform M.P.N.	Organism % over
Plant Location	日 ppm	e ppm	H ppm	2 ppm	ppm	%		Avg. ppm	Min. ppm	per ml.	l per ml.
ROCKLAND COUNTY, N.Y.											
Haverstraw	227	209	193	177	16	8		0	0	240+	100
17	392 527	284 305	333 427	241 247	92 180	28 42		0.7	0.1	-0.3	0 25
Jewish Convalescent Home -											
Grandview On The Hudson								2.0+	2.0+	-0.3	0
Letchworth Village	385	292	328	248	80	24		0	0	240+	100
11	346	188	294	161	133	45		1.0	0.15	-0.47	0
New York State Rehabilitation Hospital	238	185	203	158	45	22		0.1	0	240+	100
Nyack	282 357	188 194	240 304	159 165	81	34		0	0	240+	100
	334	208	284	177	139 107	46 38		0.9	0.15	3.1 85	50 75
Piermont (Village)								0	0	240+	100
Piermont											
Gair Paper Company *											
South Nyack	153	122	130	104	26	20		0	0	240+	100
22 97 FT 53	184	161	157	137	20	13		1.0	0.1	8.99	25
	395	254	336	216	120	36		1.1+	0.1	-8.9	25

* No Investigation Made

- Less than

							Tota.						
		-		pH	I	Sus	pended	l Soli	ds	Set	tleab	le Sol	Lids
(PART 1.)	Date Visted	Est. Pop. Served (Thousands	Flow	Influent	Effluent	Influent	Effluent	Remo	val	Influent	Effluent	Remo	oval
Plant Location	<u>ÄÞ</u>	E C E	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
ROCKLAND COUNTY, N.Y.	- Cont.												
U.S. Public Housing Administration													
Shanks Village	5-17-49	2.0	0.28	7.3	7.1	269	58	211	78	203	7	196	97
91 HT	8- 4-49		0.33	7.8	7.3	302	38	264	87	228	3	225	99
West Haverstraw	5- 4-49	1.77	0.2 x	6.9	6.6	137	44	93	68	93	14	79	85
77 97	8- 2-49			7.1	5.2	417	73	344	82	327	13	314	96
78 98	11- 1-49			7.3	6.5	466	51	415	89	342	16	326	95

x Estimated Average Flow

110 -

]	Biochen	nical (xygen	Deman	a				
	7 day	y 20°C.	Calcu	ulated	5 day	20°C.				
(PART 2.)	Influent	Effluent	Influent	Effluent	Remo	val		idual orine	Coliform M.P.N.	Organism % over
Plant Location	日 ppm		Ppm	ppm	ppm	%	Avg. ppm	Min. ppm	per ml,	l per ml.
ROCKLAND COUNTY, N.Y cont.										
U.S. Public Housing Administration										
Shanks Village	391	169	333	143	190	57	1.4	0.5	28	25
98 97	292	90	248	77	171	69	1.0	0.2	-0.3	0
West Haverstraw	198	96	169	82	87	51	0	0	240+	100
17 17	409	246	347	210	137	39	0	0	240+	100
12 92	647	197	548	167	381	70				

- Less than

		(pH		Su	Tot	tal ed Sol	ids	Set	tleeb	le Sol	ide
(PAFT 1.) Plant Location	Date Visted	Est. Pop. Served (Thousands)	Flow M.G.D.	av Influent	Bar Effluent	Influent	dd Effluent	Remo		d Influent	d Effluent	Remo	
SUFFOLK COUNTY, NEW YORK													
Huntington District	3-24-48 5-19-48 7-21-48 9-29-48	8.1	0.9 1.13 0.83	7.2 7.1 6.9 7.3	6.5 6.5 6.7	175 189 240 249	46 44 42 56	129 145 198 193	74 77 83 78	113 147 187 188	11 9 9 11	102 138 176 177	90 94 94
Kings Park State Hospital	4-14-48 6-22-48 8-24-48	7.8	1.3 1.4 1.3	6.6 6.7 6.6	7.4 7.0 7.1	203 233 245	52 8 7	151 225 238	74 97 97	131 161 167	24 6 4	107 155 163	82 96 98
Northport "	4-20-48 6-22-48 8-24-48	1.24	0.27 0.24 0.24	6.7 6.6	6.5 6.3 6.4	126 135 160	61 46 42	65 89 118	52 66 74	79 99 115	25 10 10	54 89 105	68 90 91
Port Jefferson	*	1.3	0.12 x										

* No Investigation Made x Estimated Average Flow

			nical C							
	4	4	Calcu	lated	5 day	20°C.		Idual		
(PART 2.)	Influen	Effluen	Influen	fflu	Remo	val		Min.	M.P.N.	Organism % over
Plant Location	ppm		ppm	ppm	ppm	%	Avg. ppm	ppm	per ml.	l per ml.
SUFFCLK COUNTY, NEW YORK										
Huntington District	257	122	218	104	114	52	2.0+	2.0+	-0.3	0
17 12	228	97	194	82	112	58	2.0+	0.8	-0.3	0
at 11	299	132	254	112	142	56	2.0+	2.0+	-0.3	0
11 11	256	106	217	90	127	59	1.7+	0.8	-0.3	0
Kings Park State Hospital	258	23	219	20	199	91	1.2+	0	8.5	100
11 11 11 11	285	2	243	2	241	99	1.1	0.8	-0.3	0
11 11 11 11	355		302				1.1	0.7	-0.3	0
Northport	169	119	143	101	42	29	0	0	240+	100
11	124	53	105	45	60	57	1.6+	0	13	50
11	240	76	204	65	139	68	2.0+	õ	-0.3	Ó

Port Jefferson *

* No Investigation MadeLess than

			(pH	I	Sus	Tota		ds	Set	tleab	le Sol	lids
(PA	LT 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent	Effluent	Remo	oval	Infleunt	Effleunt		oval
Plant	Location	ÂÞ	E	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
SUFFOLK COL	UNTY, N.Y.													
Huntington	District	4- 6-49	8.1	1.0	6.8	6.3	112	36	76	68	76	8	68	89
17	**	6- 7-49		0.95	7.0	6.5	193	48	145	75	145	11	134	92
¥t	**	8- 9-49		0.9	7.1	6.5	223	50	173	78	184	8	176	96
	State Hospital	4-20-49	7.8	1.4	6.7+	7.2	237	2	235	99	176	1	175	99
77 97	25 64	7-18-49		0.74	7.2	7.0	337	32	305	91	228	6	222	97
17 27	PP PP	10-25-49		1.7	6.6	7.2	193	10	183	95	135	5	130	96
Northport		4-19-49	1.24	0.23	6.8	6.7	103	38	65	63	68	11	57	84
12		6-21-49		0.21	6.7	6.4	174	35	139	80	131	8	123	94
22		9-21-49		0.22	6.8	5.7	144	29	115	80	110	10	100	91
Port Jeffer	rson	3-16-49	1.3	0.12 x	7.2	7.0	57	72	Neg	Neg				

			Calcu							
(PART 2.)	Influent	Effluent 0	Influent	Effuent	Remo			idual orine Min.	Colifor M.P.N. per	m Organism % over 1 per
Plant Location	ppm		ppm	ppm	ppm	%	ppm	ppm	ml.	ml.
SUFFOIK COUNTY, N.Y.	a a strange									
Huntington District	174	114	148	97	51	34	2.0+	2.0+	-0.3	0
57 TF	249	158	213	134	79	37	1.9+	1.0	-0.3	0
** **	237	152	202	129	73	36	2.0+	2.0+	-0.3	0
Kings Park State Hospital	320	4	272	3	269	99	1.8	1.3	-0.3	0
11 11 11 11	355	22	302	18	284	94	1.6	0.8	-0.3	0
17 18 48 FF	305	6	259	5	254	98	1.3	0	60+	25
Northport	169	96	144	82	62	43	1.5+	0	60+	25
11	203	97	173	83	90	52	2.0+	2.0+	-0.3	0
12	188	120	161	103	58	36	1.7+	0.3	-0.3	0
Port Jefferson	186	193	158	164	Neg	Neg	C	0	13,000	100

- Less than

							Tota	al					
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent		d Soli Remo		Influente	Effluent g	<u>le Sol</u> Keme	
Plant Location	A >	<u>च</u>	M.G.D.	Avg.	Avg :	ppm	ppm	ppm	%	ppm	pom	ppm	%
WESTCHESTER COUNTY, NEW YORK													
Briarcliff Manor """ Croton-Harmon Shops	5-10-48 7- 7-48 9- 1-48	1.0	0.19 x	7.0 6.8 7.1	7.0 5.6 6.2	109 49 123	118 10 11	Neg 39 112	Neg 80 91	73 44 101	81 0 4	Neg 44 97	Neg 100 96
N.Y.C.R.R.	5-11-48 7-14-48 9-16-48	1.3	0.35 0.8	7.6+	7.6+ 7.6+	271 203 290	392 41 102	Neg 162 188	Neg 80 65	158 113 200	313 6 14	Neg 107 186	Neg 95 93
Larchmont "	5- 4-48 7- 8-48 9-13-48	5.85	0.8 x	6.9 6.9 6.7	6.8 6.6 6.4	123 172 170	60 53 53	63 119 117	51 69 69	89 118 116	28 27 19	61 91 97	69 77 84
New Rochelle	6- 9-48 8-17-48	58.41	14.05	6.5	6.3								
North Tarrytown	5-11-48 7-19-48 9-14-48	7.9	1.32 1.5 1.03	7.8 7.0 7.0	7.3 6.8 6.9	182 195 233	95 63 59	87 132 174	48 68 75	123 128 156	44 14 8	79 114 148	64 89 95
Ossining Liberty Street Plant """"	5-19-48 8-10-48 9-28-48	1.2	0.2 x	7.0 7.6 6.5	6.9 6.8 6.3	73 239 127	33 103 37	40 136 90	55 57 71	24 149 5	5 34 8	19 115 Neg	79 77 Neg

			ical Ox							
(PART 2.)	Influent 2	bffluent 00	Calcul	ateduently	5 day Remo			dual	Coliforn M.P.N.	Or <u>anism</u> % over
Plant Location	Jul	ppu ppu	Jul	Band	ppm	%	Avg.	Min. ppm	per ml.	l per ml.
WESTCHESTER COUNTY, NEW YORK										
Driarcliff Manor u u u u	144 58 165	122 3 31	97 50 140	104 3 27	Neg 47 113	Neg 94 81	0 2.0+ 2.0+	0 2.0+ 2.0+	240+ -0.3 -0.3	100 0 0
Croton-Harmon Shops N.Y.C.R.R. """	101 78 213	126 21 120	86 66 181	107 18 102	Neg 48 79	Neg 73 44	0 1.2 0.7	0 0.5 0.2	240+ -0.3 -0.3	100 0 0
Larchmont	168 179 274	113 107 187	143 152 233	96 91 159	47 61 74	33 40 32	0 1.1+ 1.1+	0 0.2 0	240+ 1.38 60+	100 50 25
New Rochelle							1.3	1.3	0.91 -0.3	0
North Tarrytown	250 310 320	178 215 182	212 264 272	151 183 155	61 81 117	29 31 43	0 1.1 1.6	0 0.8 0.9	240+ 0.33 -0.3	100 0 0
Ossining Liberty Street Plant """"	170 463 122	108 261 48	144 394 104	92 222 41	52 172 63	36 44 61	2.0+ 2.0+ 2.0+	2.0+ 2.0+ 2.0+	-0.3 -0.3 -0.3	0 0

- Less than

		(10		1	H	51	Ton	tal ed Sol	ids		leable	e Solid	ds
(PART 1.) Plant Location	Date	Est. Pop. Served (Thousands)	Flow M.G.D.	A Influent	A Effluent	d Influent	d bffluent	Remo	oval	d Influent	Effluent	Remov	val
WESTCHESTER COUNTY, N.YC	Cont.												
Ossining - Continued Water Street Plant """"	5-18-48 7-21-48 9-21-48	14.0	2.0 1.2 0.9	6.8 6.7 6.6	6.8 6.8 6.7	109 233 276	56 64 86	53 169 190	49 73 69	61 160 161	15 18 21	46 142 140	75 89 87
Port Chester	4-28-48 6-24-48 8-31-48	23.1	2.5	7.4	7.1 6.4 6.4	251 158 262	161 80 150	90 78 112	36 49 43	150 105 174	66 33 53	84 72 121	56 69 70
Sing Sing Prison	*	2.2	0.4 x										
Tarrytown "	5- 6-48 7- 6-48 8-31-48	6.7	1.5 1.4 0.93	7.1 6.9 6.9	7.0 6.7 6.7	188 153 184	98 70 53	90 83 131	48 54 71	142 89 135	47 27 13	95 62 122	67 70 90
U.S. Army Camp Smith	7- 7-48 9- 1-48	1.4		7.2	7.4	160 214	116 73	44 141	28 66	94 136	44 23	50 113	53 83
Fort Slocum	6-15-48 8-19-48	2.8	0.26	7.3	6.8	147 187	33 61	114 126	78 67	83 120	7 12	76 108	92 90

x Estimated Average Flow * No Investigation Made

(PART 2.)			cal Ox Calcul Ununuum			20°C.		dual	Coliform M.P.N.	Organism % over
Plant Location	ppm	E. mag	DDIN	E E Mgg	ppm	%	Avg.	Min. ppm	per ml.	l per ml.
WESTCHESTER COUNTY, N.YCont.										
Ossining - Continued Water Street Plant	173 281 445	101 186 274	147 239 379	86 158 233	61 81 146	41 34 39	0.9 1.7+ 1.7	0.5	-0.3 -0.3 -0.3	0 0 0
Fort Chester	248 227	146 141	211 193	166 120		21 38	0 2.0+ 1.0+	0 1.5 0.2	240+ -0.3 180+	100 0 75
Sing Sing Prison * Tarrytown	186 241 241	137 114 91	158 205 205		42 108 128	27 53 62	0 2.0+ 1.9+	0 1.5 1.5	240+ -0.3 -0.3	100 0 0
U.S. Army Camp Smith	258 380	295 206	219 323		Neg 148	Neg 46	0 1.9+	0	240+ -0.3	100 0
Fort Slocum	303 196	83 161	257 167	70 137	187 30	73 18	2.0+ 1.2+	1.5	-0.3	0

- Less than * No Investigation Made

		s)		pH	Tota Suspended		Settleabl	e Solids
(PART 1.) Plant Location	Date Visted Est. Pop.	noul El	ow Infinite	Beffluent	E Influent E Effluent	Removal	d Influent g Effluent	Removal
WESTCHESTER COUNTY, N.Y. C	ont.							
Westchester County Plants					÷.			
Mamaroneck	6- 9-48 39 8-17-48	9.0 1 7.	.5 6.8	6.7				
Rye (Blind Brook)	6- 9-48 8 8-17-48	9.5 0.	8 x 6.9 7.0	6.5				
Yonkers, North	6- 9-48 90 8-19-48	.52 2	8.2 8.2 8.2	8.2				
Yonkers, South	6- 9-48 279 8-19-48	9.0 29.	0 x 6.8 7.0	6.8				

		ical Oxygen					
(PART 2.)	Effluent	Calculated Effluent Thent	Removal		idual orine	Coliform M.P.N.	Organism % over
Plant Location	mag mgg	udd Eff	ppm %	Avg.	Min. ppm.	per ml.	l per ml.
WESTCHESTER COUNTY, N.Y. Cont.							
Westchester County Plants							
Mamaroneck				2.0	2.0	0.36 	0
Rye (Blind Brook)				2.0+ 2.0+	2.0+2.0+	-0.3 -0.3	0
Yonkers, North				-0.1 0.1	-0.1 0.1	110 240+	100 100
Yonkers, South				0.6	0.6	0.36 ~0.3	0

- Less than

							Tot	al				pm ppm 18 76 16 63 4 214 28 360	
		3			H		pende	d Soli	ds	Set		e Sol:	lds
(PART 1.)	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent	Effluent	Remo	val	Influent	Effluent	Remo	val
Plant Location	ÄÞ	A C	M.G.D.	Avg.	Avg.	ppm	ppm	.ppm	%	ppm	ppm	ppm	%
WESTCHESTER JOUNTY, N.Y.												-	
Briarcliff Manor	5- 3-49	1.0	0.19 x	6.9	6.7	108	25	83	77	94	18	76	81
97 71	5- 7-49			6.9	6.0	89	22	67	75	79	16	63	80
27 27	9-13-49			7.0	5.3	230	17	213	93	218	4	214	98
Croton Harmon Shops													
N.Y.C.R.R.	5- 5-49	1.3	0.35	7.0	7.7+	537	103	434	81	388	28	360	93
n n	7-27-49	1.0	0.00	9.1	8.9	420	77	343	82	360	20	340	94
Larchmont	5-12-49	5.85	0.8 x	6.7	6,6	158	64	94	59	116	40	76	66
it it	7- 5-49	0.00	0.0 1	6.7	6.2	156	69	87	56	84	26	58	69
17	9-21-49			6.9	6.2	185	57	128	69	146	32	114	78
Mt. Vernon Shell Union													
Oil Co.	6-21-49	0.03			8.2								
New Rochelle	5-18-49	58.41	16	6.8	6.6								
tt 07	8-24-49		12.5	6.7	6.4								
North Tarrytown	4-27-49	7.9	1.4	7.2	7.2	168	83	85	51	125	44	81	65
11 IT	7- 6-49		1.6	6.9	6.8	381	80	301	79	318	23	295	93
17	9-15-49		1.0	7.0	6.9	204	70	134	66	149	28	121	81

		Biochem y 20°C.								
(FART 2.)	Influent	Effuent	Influent	Effluent	Remo	val		dual prine Min,	Coliform M.P.N. per	Organism % over 1 per
Plant Location	ppm	ppm	ppm	ppm	ppm	%	ppm	ppin	ml.	ml.
WESTCHESTER (CUNTY - cont.										
Briarcliff Manor	85	24	72	20	52	72	0	0	240+	100
18 97 17 99	101	30	86	26	60	70	2-0+	2.0+	-0.3	0
12 17	312	31	265	26	239	90	2.0+	2.0+	-0.3	0
Croton Harmon Shops										
N.Y.C.R.R.	100	49	85	42	43	51	0.8	0	120+	50
11 0	141	38	120	32	88	73	0.2	0.15	-0.5	0
Larchmont	166	94	141	80	61	43	1.5+	0	682	50
11	278	155	236	132	104	44	0.8	0.1	26.2	50
11	337	134	202	114	88	44	1.0+	Trace	-0.3	0
Mt. Vernon Shell Union										
Oil Co.							0.1	0.1	110	100
New Rochelle							2.0	2.0	-0.3	0
17 17							1.5	1.5	-0.3	0
North Tarrytown	204	151	173	128	45	26	0	0	240+	100
** **	246	144	209	122	87	42	1.3	0.5	-0.3	0
99 TE	265	175	226	149	77	34	1.6+	0.15	-0.9	25

- Less than

		(3)		pI	I t+			al d Soli	ds		and the second second	le Sol	ids
(PART 1.).	Date Visted	Est. Pop. Served (Thousands)	Flow	Influent	Effluent	Influent	Effluent	Remo	val	Influent	Effluent	Remo	val
Plant Location		E ~	M.G.D.	Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
WESTCHESTER COUNTY - cont.													
Ossining													
Liberty Street Plant	5-11-49	1.2	0.23	7.4+	7.3+	125	60	65	52	53	15	38	72
h if ff	8-10-49	702	0.25	7.7	7.3	177	59	118	67	100	4	96	96
t, 11 H	10-26-49			8.6	7.0	252	88	164	65	127	33	94	74
Water Street Plant	5- 4-49	14.0	1.4	6.8	7.0	162	57	105	65	87	3	84	97
¥2 ¥¥ ¥¥	8- 9-49		1.0	6.7	6.8	259	71	188	73	168	14	154	92
10 27 27	10-29-49		0.8	6.7	6.7	287	72	215	75	185	16	169	91
Port Chester	5-10-49	23.1	3.5	7.0	6.7	162	84	78	48	106	24	82	77
H 19	8-16-49		2.0	7.2	6.4	336	102	234	70	239	18	221	92
72 89	11- 2-49		2.0	7.5	6.7	477	171	306	64	382	70	312	82
Sing Sing Prison	*	2.2	0.4 x										
Tarrytown	4-28-49	6.7	1.23	7.2	7.2	188	87	101	54	141	35	106	75
T	6-22-49		0.91	6.9	6.7	259	62	197	76	193	18	175	91
**	9- 6-49		1.0	6.9	6.6	217	84	133	61	128	18	110	86
U.S. Army													
Camp Smith	9- 6-49	1.4											
Fort Slocum	5-26-49	2.8	0.29	7.0	6.9	257	44	213	83	162	6	156	96
FT FT	8-11-49		0.24	7.4	6.4	158	46	112	71	71	4	64	90

* No Investigation Made x Estimated Average Flow

	I 7 day	Biochem y 20°C.	ical (Calcu)xygen ilated	Deman 5 day	d. 20°C.				
(FART 2.)	Influent	Effluent	Influent	Effluent	Remo	val		dual rine Min.	Coliform M.P.N. per	Organism % over 1 per
Plant Location	pom	ppm	ppm	ppm	ppm	%	ppm	ppm_	ml.	ml.
WESTCHESTER COUNTY, N.Y. cont.										
Ussining										
Liberty Street Plant	256	159	218	135	83	38	2.0+	2.0	-0.3	0
11 11 11	366	247	311	210	101	32	1.0+	0	-0.3	0
er 17 et	523	293	443	248	195	44				
Water Street Plant	295	185	251	157	94	37	1.9+	1.5	-0.3	0
17 17 17	374	213	318	181	137	43	1.0	0.15	-0.3	0
98 89 99	422	276	359	235	124	35	0.6	0.1		
Port Chester	206	155	175	132	43	25	1.5	0	1.7	50
92 99	424	231	360	196	164	46	2.0+	0.2	-0.3	0
12 20	442	245	375	209	166	44				
Sing Sing Prison *										
Tarrytown	240	146	204	124	80	39	0	0	240+	100
21	274	138	233	117	116	50	1.4+	0.8	-0.3	0
"	273	155	232	131	101	44	1.0	0.6	-0.3	0
U.S. Army										
Camp Smith							Trace	Trace	-0.3	C
Fort Slocum	332	122	283	103	180	64	1.0+	0	1.3	50
29 88	252	141	214	120	94	44	0.8	0	64+	50

- Less than * No investigation Made

(PART 1.) Plant Location		(D)		pH		Total Suspended Solids		Settleable Solids	
	Date Visted	Est. Pop. Served (Thousands)	Flow M.G.D.		Avg.	Influent	Removal	Influen [†] Effluen [†]	Removal
						ppm ppm		ppm ppm	ppm %
WESTCHESTER COUNTY, N.Y. Co	ont.								
Westchester County Plants									
Mamaroneck District	5-18-49	39.0	14	6.8	6.7				
	8-24-49		8	6.9	6.6				
Rye (Blind Brook)	5-18-49	9.5	0.8 x	6.8	6.6				
97 FT 97	8-24-49			7.0	6.7				
Yonkers, North	5-25-49	90.52	15	7.6	7.1				
19 19	8-17-49		14	7.4	6.9				
Yonkers, South	5-25-49	279.0	29.0 x	7.1	6.9				
11 11	8-18-49			7.0	6.7				

	Bioch	emical Oxyge	n Demand				
			d 5 day 20°C.				
(PART 2.)	Influent Effluent	Influent Effluent	Removal	Residual Chlorine Avg. Min.		Coliform Organism M.P.N. % over per l per	
Plant Location	ppm ppm	ppm ppm	ppm %	ppm	ppm	ml.	ml.
WESTCHESTER COUNTY, N.Y cont.							
Westchester County Plants							
Mamaroneck District				2.0+	2.0+	-0.3	0
Rye (Blind Brook)				1.5 Trace	1.5 Trace	-0.3 240+	0 100
Yonkers, North				1.3 0.3	1.3 0.3	0.73 -0.3	0
Yonkers, South				0.6	0.6	2.3 240+	100 100