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INTERSTATE SANITATION COMMISSION

New York • New Jersey • Connecticut

INTERSTATE SANITATION COMMISSION  
110 WILLIAM STREET • NEW YORK 38, N.Y.

S U M M A R Y  
O F  
S E W A G E A N A L Y S E S  
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INTERSTATE SANITATION COMMISSION

COMMISSIONERS

NEW YORK

Hugh W. Robertson  
Vice-Chairman  
Dr. Natale Colosi  
Dr. Herman E. Hilleboe  
Harry C. McClarity  
Dr. Moses Spatt

NEW JERSEY

J. Spencer Smith  
Chairman  
Dr. Daniel Bergsma  
Dr. William C. Cope  
Harry N. Lendall  
Leon A. Watson

CONNECTICUT

Daniel F. B. Hickey  
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Dr. Stanley H. Osborn  
Andrew A. Radel  
William S. Wise

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The Interstate Sanitation Commission conducts a continuous program of routine field investigations to obtain factual data pertaining to the effectiveness of sewage treatment works discharging into the waters of the Interstate Sanitation District.

#### 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.

#### COLIFORM ORGANISMS

Samples for coliform organisms determinations are collected in sterile glass bottles at 9:00 A.M.; 11:00 A.M. 1:00 P.M. and 3:00 P.M. Samples are held prior to planting for a period equal to the time 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. Three tubes in each of five dilutions are planted routinely. The samples are returned by 5:00 P.M. to the laboratory for incubation. All positive lactose broth tubes are confirmed in brilliant green bile 2 %.

#### ANALYTICAL PROCEDURES

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

For a detailed description of analytical procedures refer to Interstate Sanitation Commission "Summary of Sewage Analyses 1950".

#### 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.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms		
			Influent Avg.	Effluent Avg.	Total			Settleable			Influent ppm	Effluent ppm	Removal %	Avg. Min.		MPN per ml	% Over 1 per ml	
					Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	ppm	ppm			
<u>CONNECTICUT</u>																		
<u>Fairfield County</u>																		
<u>Bridgeport</u>																		
<u>East Side Plant</u>																		
4- 5-51C	43.0	12X	7.0	6.9	120	41	66					80	56	30				
6- 5-51C															0.75	0.5	126	100
6-21-51C															1.3+	1.0+	9.2	75
9-27-51C			6.6	5.7	170	51	70					81	38	53				
1-28-52C			6.6	6.8	110	63	43					79	60	24				
6- 2-52C			6.6	6.4	150	36	76					87	42	52				
6-17-52C															0.6	-	0.36-	0
10-30-52			6.8	6.6	140	44	69					100	51	49				
<u>West Side Plant</u>																		
4-19-51C	88.5	22X	6.6	6.6	150	64	57					71	48	32				
6-18-51C															0.2	0.0	45+	83
10-4-51C			6.9	6.8	210	85	60					130	70	46				
2- 4-52C			6.4	6.4	200	100	50					63	47	25				
6- 9-52C			7.0	6.8	270	75	72					110	75	32				
6-11-52C																	800+	100
11-17-52C			7.1	7.0	190	87	54					97	68	30				

C By the Connecticut State Dept. of Health.

- Less than.

X Estimated average flow.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			Influent	Effluent	Removal	Avg. Min.		MPN	% Over
			Avg.	Avg.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	per ml	per ml
<u>CONNECTICUT</u>																	
<u>Fairfield County (Continued)</u>																	
<u>Darien</u>																	
1-22-51C	4.5	0.54X	7.0	7.0	80	31	61				120	63	48				
4-30-51C			7.0	6.9	130	37	72				190	81	57				
6- 5-51C														0.55+0.15	41+	100	
6-25-51C														0.7 0.05	0.31-	0	
10-15-51C			7.0	7.1	510	55	89				350	110	69				
1-31-52C			7.0	6.9	82	33	60				74	47	36				
5-22-52C			7.0	6.9	240	39	84				240	74	69				
6-10-52C														1.1+ 0.2	0.32-	0	
10-29-52C			7.2	7.2	120	45	63				190	100	47				
<u>Fairfield</u>																	
12-2-52C	1.0		6.8		120	10	92				10	5	50				
<u>Greenwich</u>																	
<u>Byram Plant</u>																	
1-17-51C	3.5	0.21X	7.3	7.1	150	52	65				240	160	33				
4-25-51C			7.3	7.2	150	49	67				250	170	32				
6- 5-51C														1.6+ 0.3	7.8	50	
10-22-51C			7.4	7.2	350	69	80				480	280	42				

C By the Connecticut State Dept. of Health.

X Estimated average flow.

- Less than.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			Influent	Effluent	Removal	Avg. Min.		MPN	% Over
			Avg.	Avg.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	per ml	per ml
<u>CONNECTICUT</u>																	
<u>Fairfield County (Continued)</u>																	
<u>Greenwich (Continued)</u>																	
<u>Byram Plant (Continued)</u>																	
2- 6-52C			7.0	7.0	180	46	74				190	150	21				
5-26-52C			6.8	6.6	110	46	58				98	100	Neg				
6-10-52C														1.7+	1.0	63.6+	75
7-16-52C														1.8+	0.6	0.33-	0
10-28-52C			7.2	7.4	250	98	61				330	280	15				
<u>Cos Cob Plant</u>																	
2- 5-51C	4.6	0.7X	7.0	7.0	110	52	53				160	110	31				
5- 2-51C			7.0	6.9	120	45	63				150	110	37				
6- 5-51C														1.2+	0.8	0.95	25
10-29-51C			7.2	7.2	150	61	59				220	140	36				
2- 7-52C			6.8	6.7	56	19	66				110	67	39				
6-10-52C														2.0+	2.0+	0.53-	25
6-16-52C			6.8	6.6	160	38	76				160	110	31				
11-24-52C			7.2	7.0	130	90	31				230	180	22				
12-29-52C			7.1	7.0	110	57	48				140	110	21.				

C By the Connecticut State Dept. of Health.  
X Estimated average flow.  
- Less than.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS			B.O.D.			Residual Chlorine		Coliform Organisms				
			Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	5 Day 20°C	Avg. Min. ppm	ppm	MPN per ml	% Over 1 per ml		
<u>CONNECTICUT</u>																	
<u>Fairfield County (Continued)</u>																	
<u>Greenwich (Continued)</u>																	
<u>Grass Island Plant</u>																	
4- 2-51C	11.2	2.0X	7.0	6.9	69	22	68				96	65	32				
6- 5-51C														1.75+1.5	0.35-	0	
10-18-51C			6.9	6.6	280	35	88				300	120	60				
1-30-52C			7.0	6.9	67	26	61				110	76	31				
6- 4-52C			6.9	6.6	76	16	79				63	44	30				
6-10-52C														1.9	1.8	1.10	50
11-12-52C			7.6	7.4	210	40	81				240	150	38				
<u>Old Greenwich Plant</u>																	
1- 8-51C	5.8	0.77X	7.0	7.0	120	53	56				140	120	14				
4-16-51C			7.1		130	34	74				150	92	39				
6- 5-51C														1.0+	1.0+	4.1	25
10-24-51C			7.0	7.1	150	53	65				160	110	31				
2-14-52C			6.9	6.8	79	22	72				110	70	36				
6-10-52C														1.7+	1.4	0.03-	0
6-18-52C			6.9	6.8	96	38	60				115	98	15				
11-19-52C			8.0	7.4	170	40	76				170	81	52				

- Less than.

X Estimated average flow.

C By the Connecticut State Dept. of Health.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	PH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
					Total			Settleable			5 Day 20°C			Av. Min.		MPN	% Over
			Influent	Effluent	Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal	ppm	ppm	ppm	ppm
AVG.	AVG.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	per ml	per ml	
<u>CONNECTICUT</u>																	
<u>Fairfield County (Continued)</u>																	
<u>Norwalk "A"</u>																	
2-14-51C	34.0	7.0X	3.6	3.6	180	150	17				250	230	8				
5- 7-51C			6.8	6.5	150	110	27				150	150	0				
6- 6-51C														0.6	0.4	12.7	67
6-25-51C														0	0	110+	100
12-12-51C			7.0	6.8	100	78	22				78	73	6				
6-10-52C														1.0	0.5	0.34	0
<u>Stamford</u>																	
4- 9-51C	45.0	5.5X	6.9	7.0	440	120	73				280	140	50				
6- 5-51C														0.5+	0.1	17.7	50
10-1-51C			7.3	7.4	400	86	79				380	150	61				
2-27-52C			7.2	7.2	220	60	73				230	140	39				
6-11-52C														0.9	0.0	6.69	50
6-19-52C			7.2	7.0	230	78	66				240	180	25				
12-1-52C			8.0	7.2	370	76	79				230	110	61				
<u>Stratford "A"</u>																	
4-26-51C	26.0	3.0X	7.0	6.9	87	55	37				170	140	18				
6- 5-51C														0.8	0.05	121+	75
6-21-51C														0.9+	0.75	66+	75
6-11-52C														0.8+	0.7	61+	75
6-17-52C			6.9	6.8	240	65	73				170	130	24				
11-20-52C			7.2	7.3	200	86	57				270	200	26				

C By the Connecticut State Dept. of Health.

X Estimated average flow.

"A" Under reconstruction.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			5 Day 20°C			Avg. Min.		MPN per ml	% Over 1 per ml
					Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal	ppm	ppm		
Avg.	Avg.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm		
<u>CONNECTICUT</u>																	
<u>New Haven County</u>																	
<u>Milford</u>																	
1- 4-51C	6.0	0.62X	7.1	6.9	72	8	89				78	4	95				
4-23-51C			7.1	6.7	78	8	90				79	8	90				
6- 6-51C														0.9+	0.8	1.3	25
10-25-51C			7.0	6.3	240	7	97				200	4	98				
2-19-52C			7.1	6.8	65	7	89				76	7	91				
6-11-52C														0.4	0.0	66.2	50
11-13-52C			7.0	6.4	120	8	93				130	5	96				
<u>New Haven</u>																	
<u>Boulevard Plant</u>																	
2-28-51C	90.0	15X	8.1	7.9	210	62	70				290	160	45				
6- 5-51C														0.6	0.0	63+	75
6-25-51C														0.1	0.0	63+	67
6-27-51C			7.0	6.5	210	79	62				190	95	50				
1-24-52C			7.0	8.5	140	61	56				170	150	12				
5-28-52C			6.9	6.8	160	65	59				180	140	22				
6-11-52C														1.9+	0.1	42.6+	67
11-14-52C			8.1	7.0	120	62	48				140	120	14				

C By the Connecticut State Dept. of Health.  
X Estimated average flow.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. ppm	Min. ppm	MPN per ml	% Over 1 per ml
					Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %				
<u>CONNECTICUT</u>																	
<u>New Haven County (Continued)</u>																	
<u>New Haven (Continued)</u>																	
<u>East Street Plant</u>																	
3-19-51C	50.0	10X	7.1	7.6	690	290	58				250	240	4				
6- 6-51C														0.45	0.1	5	50
3-20-52C			6.4	6.4	320	240	25				260	210	19				
8-18-52C														0.0	0.0	99.7	100
8-25-52C														0.6	0.0	31.4	90
10-31-52C			7.7	7.0	200	100	50				180	160	11				
<u>West Haven</u>																	
5-31-51C	27.0	2.7X	7.3	6.8	210	36	83				240	110	54				
6- 6-51C														1.8+	1.2	0.3-	0
1-21-52C			7.8	7.7	380	120	70				260	170	35				
6-11-52C														1.7	0.4	1.69-	16
6-12-52C			7.2	6.8	240	48	80				210	110	48				

- Less than.
- X Estimated average flow.
- C By the Connecticut State Dept. of Health.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms		
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg.	Min.	MPN per ml	% Over 1 per ml	
					Influent ppm	Effluent ppm	% Removal	Influent ppm	Effluent ppm	% Removal	Influent ppm	Effluent ppm	% Removal	ppm	ppm			
<u>NEW JERSEY</u>																		
<u>Bergen County</u>																		
<u>Cliffside Park</u>																		
*	12.5	1.25X																
<u>Englewood Cliffs</u>																		
6-11-51	0.9	0.08	7.1	6.6	49	27	45	27	12	56	82	58	29	0.6	0.4	0.18-	0	
6-17-52		0.13	7.0	6.3	66	28	58	35	12	66	138	102	26	1.7	0.3	2.2-	50	
<u>Essex County</u>																		
<u>Port Newark-Swift Refining Company</u>																		
*																		
<u>Hudson County</u>																		
<u>Bayonne Naval Supply Depot-U. S. Navy</u>																		
**																		

\* No Investigations Made  
\*\* Results Omitted-National Security  
x Estimated Average Flow  
- Less Than

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms		
			Influent	Effluent	Total			Settleable			5 Day 20°C			Avg. Min.	MPN	% Over		
			Avg.	Avg.	Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal	ppm	ppm	%	ppm	ppm
<u>NEW JERSEY</u>																		
<u>Middlesex County</u>																		
<u>Perth Amboy</u>																		
5-7-51	41.3	7.2	7.8	7.6	364	64	82	248	12	95	461	203	56	2.0	0.9	0.5	0	
7-16-51		8.1	6.9	7.6	537	65	88	384	13	97	447	218	51	2.1	0.6	40.	33	
5-21-52		8.0	7.6	8.4	147	49	67	80	11	86	158	99	37	2.0	1.5	103.	75	
7-30-52		7.5	7.1	8.1	214	46	79	135	6	96	170	73	57	2.0	1.8	12.1	25	
10-27-52		7.0	7.5	7.2	453	45	90	127	11	95	346	199	42	1.3	0.6	275.	25	
<u>Sayreville</u>																		
<u>Melrose Plant</u>																		
5-17-51	0.6	0.018	6.3	6.1	139	66	53	85	20	76	190	132	31	13.0	11.0	0.03-	0	
8-13-51		0.015	6.6	6.2										8.0	8.0	0.03-	0	
5-28-52			6.1	6.2										6.0	6.0	0.03-	0	
8-7-52			6.2	6.2										7.0	7.0	0.03-	0	
10-29-52			6.1	6.3										15.0	15.0	0.03-	0	
<u>Morgan Plant</u>																		
10-22-51	0.4													7.0	7.0	0.03-	0	
5-28-52			7.4	6.3										10.0	10.0	0.03-	0	
8-7-52			7.0	6.3										14.0	14.0	0.03-	0	
10-29-52			7.0	6.6										10.0	10.0	0.03-	0	

- Less Than

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			5 Day 20°C			Avg. Min.		MPN	% Over
			AVG.	AVG.	Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal	ppm	ppm	ppm	ppm
<u>NEW JERSEY</u>																	
<u>Middlesex County (Continued)</u>																	
<u>South Amboy</u>																	
5- 1-51	8.4	0.77	6.9	6.4	253	96	62	197	33	83	354	205	42	1.4	0.5	0.03-	0
7-23-51		0.88	6.7	6.3	419	106	75	272	15	94				1.7	1.0	0.05-	0
5-27-52		0.77	7.1	6.5	271	103	62	192	31	84	372	224	40	1.2	0.5	0.04-	0
8- 4-52		0.79	6.7	6.3	345	98	72	224	9	96	546	274	50	1.6	0.8	0.62-	0
11-5-52		0.63	6.5	6.4	227	74	67	131	6	95	275	196	29	1.2	0.8	0.03-	0

- Less than.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			Influent	Effluent	Removal	Avg. Min.		MPN	% Over
			Avg.	Avg.	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	ppm	ppm	ppm	ppm
<u>NEW JERSEY</u>																	
<u>Monmouth County</u>																	
<u>Atlantic Highlands</u>																	
5-9-51	3.09	0.35X	6.8	6.1	105	83	21	78	45	42	133	124	7	7.2	4.0	0.03-	0
8-14-51			6.7	6.0	180	75	58	144	43	70	207	154	26	9.9	9.5	0.05-	0
6-10-52			6.3	6.0	91	68	25	55	8	85	127	172	Neg	5.5	3.5	0.09-	0
8-6-52			6.6	5.8	133	39	71	98	12	88	158	98	38	13.0	6.0	0.41-	0
10-30-52			7.7	6.2	252	84	67	211	56	73	253	104	59	7.0	6.0	0.03-	0
<u>Highlands</u>																	
5-16-51	2.96		6.8	6.2	233	101	57	136	42	69	175	145	17	3.3	0.9	0.03-	0
8-21-51		0.70	6.9	6.1	237	139	41	129	42	67	298	174	42	5.4	2.0	0.03-	0
6-17-52			7.2	6.3	284	90	68	182	24	87	346	121	65	2.0	0.8	0.10-	0

- Less than.

X Estimated average flow.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine Avg. Min.		Coliform Organisms			
			Influent	Effluent	Total			Settleable			Influent	Effluent	Removal	Influent	Effluent	Removal	Avg. Min.	MIN	% Over
			Avg.	Avg.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	per ml
<u>NEW JERSEY</u>																			
<u>Monmouth County (Continued)</u>																			
<u>Highlands (Continued)</u>																			
8-13-52			7.1	6.4	228	94	59	147	48	67	279	98	65	1.9	1.2	0.45	0		
11-6-52			7.2	6.4	218	81	63	151	44	71	229	82	64	3.4	0.6	0.05-	0		
<u>Keansburg</u>																			
5-23-51	5.6	2.1	6.5	6.3	182	120	34	127	98	23	131	75	43	0.0	0.0	6,700.	100		
9-18-51		1.9	6.6	6.5	187	113	40	117	50	57	112	69	38	0.0	0.0	24,000.	100		
5-14-52		1.9	6.4	6.6	148	117	21	70	60	14	97	66	32	0.0	0.0	8,850.+	100		
9-3-52		1.7	6.6	6.6	123	114	7	67	55	18	103	76	26	0.0	0.0	11,000.	100		
11-12-52			6.7	6.6	81	84	Neg	41	40	2	120	61	49	0.0	0.0	93.	100		
<u>Keyport</u>																			
5-8-51	5.9	0.7	7.6	6.9	274	99	64	215	33	85	314	192	39	1.4	0.8	0.06-	0		
8-13-51		0.7	7.2	6.6	299	96	68	226	42	81	394	244	38	1.0	0.7	0.16	0		
6-4-62		1.01	6.5	6.3	123	56	54	73	14	81	142	124	13	1.8	0.8	0.21-	0		
8-5-52		0.55	7.3	6.6	225	92	59	122	23	81	388	292	25	1.0	0.6	0.22-	0		
12-1-52		0.67	7.8	6.8	272	84	69	141	1	99	337	185	45	1.9	1.0	30.	50		

- Less Than



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine Avg. Min. ppm ppm	Coliform Organisms	
			Influent	Effluent	Total			Settleable			5 Day 20°C				MPN per ml	% Over 1 per ml
					Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal			
AVG.	AVG.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%			
<u>NEW JERSEY</u>																
<u>Union County</u>																
<u>Elizabeth Joint Meeting</u>																
4-12-51	350.	51.	7.3	7.2	206	96	53	160	58	64	355	147	59	∅		
6-27-51		41.	7.0	6.9	241	82	66	176	30	83	248	124	50			
4-14-52		58.	7.4	7.1	221	90	59	167	50	70	182	115	37			
9- 2-52		68.	7.1	7.0	158	65	59	120	32	73	160	114	29			

∅ Class B Area, chlorination not required

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms		
			Influent	Effluent	Total			Settleable			5 Day 20°C			Avg.	Min.	MPN	% Over	
			Avg.	Avg.	Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal	ppm	ppm	%	ppm	ppm
<u>NEW YORK</u>																		
<u>Nassau County</u>																		
<u>Belgrave Sewer District</u>																		
6-11-51	7.0	2.18	7.3	6.2	252	64	75	193	12	94	223	145	35	2.3+	0.2	0.03-	0	
10-25-51		2.1	6.9	6.8	187	59	68	125	14	89	203	132	35	1.7	0.4	0.08-	0	
5- 1-52		2.7	6.6	6.3	186	45	76	130	12	91	183	98	46	2.0+	2.0+	0.03-	0	
8-19-52		2.8	7.0	6.3	172	38	78	123	4	97	173	101	42	2.3	0.3	0.10-	0	
11-17-52		2.8	6.9	6.6	184	60	67	111	9	92	168	118	30	2.9	0.1	0.41-	0	
<u>Cedarhurst</u>																		
5-15-51	6.0	2.2	6.9	6.5	217	80	63	161	13	92	283	95	34	3.3	2.8	0.03-	0	
10-23-51			6.9	6.6	171	77	55	99	2	97	247	64	26	1.6	1.0	0.04-	0	
5- 8-52			7.0	6.5	173	74	57	121	15	88	224	173	23	3.3	1.5	0.03-	0	
10-15-52		2.3	7.0	6.4	181	62	66	133	14	80	229	159	31	3.6	3.0	0.03-	0	
<u>Fairchild Corporation</u>																		
6-28-51	0.02		6.7	6.4										8.0	8.0	0.03-	0	
10- 9-51				6.4										2.0	2.0	0.03-	0	
5-28-52		0.015x		6.6										0.0	0.0	93.	100	
11-25-52				5.2										10.	10.	0.03-	0	

- Less than

x Estimated average flow

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.		MPN per ml	% over 1 per ml
					Influent ppm	Effluent ppm	removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	ppm	ppm		
<u>NEW YORK</u>																	
<u>Nassau County (Continued)</u>																	
<u>Great Neck Sewer District</u>																	
<u>Bayview Avenue Plant</u>																	
6-18-51	4.5	1.05	6.9	6.6	231	58	75	152	12	92	241	152	37	1.8	0.4		
9-24-51		0.96	7.0	6.6	265	55	79	219	17	92	275	153	44	2.4	0.8	0.36	0
5-19-52		0.95	7.0	6.8	260	65	75	191	7	96	265	155	42	1.5	0	1.69	50
9-30-52		0.87	6.7	6.6	235	49	79	189	11	94	262	181	31	2.1	1.0	0.05	0
<u>East Shore Road Plant</u>																	
6-18-51	6.0	1.46	7.4	6.6	167	63	62	117	23	80	188	115	39	1.6	0.6		
10-1-51		1.23	7.6	6.6	201	66	67	142	21	85	216	103	52	2.2	0.5	0.44	25
5-5-52		1.95	7.2	6.6	118	58	50	77	13	83	143	92	36	1.5	0.8	0.73	0
10-14-52		1.08	7.0	6.4	138	46	67	98	13	88	156	103	34	2.9	0.5	0.74	25
<u>Great Neck Village</u>																	
4-26-51	6.0	0.72	7.3	6.9	213	21	90	155	11	93	243	14	94	3.2	1.9	0.03-	0
8-16-51		0.62	7.0	6.6	356	13	96	317	10	97	308	13	96	3.8	2.2	0.03-	0
5-7-52			7.4	6.9	202	26	87	125	5	96	225	20	91	2.5	1.2	0.03-	0
9-9-52			7.2	7.0	223	17	92	142	3	98	259	19	93	2.5	1.4	0.13-	0

- Less than



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms		
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.		MPN per ml	% Over 1 per ml	
					Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	ppm	ppm			
<u>NEW YORK</u>																		
<u>Nassau County (Continued)</u>																		
<u>Freeport</u>																		
5-21-51e	20.0		6.8	6.3	199	102	49	149	40	73	229	121	47	0.6	0	2750+	25	
9-17-51		3.0	6.7	6.3	219	63	71	181	30	83	214	102	52	1.7	0.2	0.3	0	
5-13-52		3.5	6.8	6.4	174	106	39	129	48	63	179	131	27	1.4	trace	0.22	0	
9-4-52		3.3	6.7	6.4	151	67	56	104	21	80	193	122	37	0.9	0	0.3-	0	
<u>Glen Cove</u>																		
7-10-51	15.0	2.1	6.9	6.7	198	78	61	159	31	81	308	165	46	1.3	0.4	7.2	50	
10-29-51a		1.7	7.3	6.8	255	121	53	148	25	83	288	223	23	3.7	2.8	0.07	0	
8-18-52		2.8	6.8	6.4	198	86	57	142	33	77	244	214	12	0.9	trace	394.	75	
11-6-52		2.5	6.8	6.5	184	59	68	141	15	89	194	137	29	1.6	0.4	30.2	75	
<u>Glen Cove, Morgan Island</u>																		
7-21-51	0.06	0.008x	7.4	6.2										18.	18.	0.03-	0	
10-17-51				6.4										9.	9.	0.03-	0	
7-24-52				6.2										8.	8.	0.03-	0	
10-16-52			6.8	6.2										15.	15.	0.03-	0	

- Less than

x Estimated average flow

e Magnetite filter out of operation

a New sludge collector mechanism being installed.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.		MPN per ml	% Over 1 per ml
					Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	ppm	ppm		
<u>NEW YORK</u>																	
<u>Nassau County (Continued)</u>																	
<u>Hempstead, Green Acres Plant</u>																	
6-28-51	1.2		6.4	6.2										1.3	1.3	0.36	0
10-9-51		0.15x	6.7	6.3										0.4	0.2	1.4	50
5-28-52			6.7	6.3	107	56	48	50	14	72	84	75	11	2.1	0.6	0.26	0
11-25-52			6.6	6.2										2.0	2.0	0.75	0
<u>Jones Beach State Park</u>																	
7-23-52		0.22	7.5	7.2	18	4	78	13	1	92	20	13	35	2.9	0.8	0.03-	0
<u>Lawrence</u>																	
7-11-51	4.6	0.77	6.8	6.5	238	62	74	194	20	90	228	139	39	4.5	1.4	0.05-	0
10-15-51			7.0	6.6	254	81	68	120	26	87	244	149	39	3.8	2.0	0.03-	0
6-15-52			6.7	6.5	177	66	63	129	15	88	214	160	25	2.6	1.0	0.63-	25
11-19-52		0.75	6.8	6.5	215	56	74	157	24	85	264	169	36	6.0	2.8	0.05-	0
<u>Long Beach</u>																	
<u>Lido Beach Plant</u>																	
7-9-51	6.0w		6.8	6.6	196	63	68	131	21	84	241	151	37	2.4	0.1	550+	50

- Less Than  
W Winter



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. ppm	Min. ppm	MPN per ml	% Over 1 per ml
					Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %				
<u>NEW YORK</u>																	
<u>Nassau County (Continued)</u>																	
<u>Long Beach (Continued)</u>																	
<u>Lido Beach Plant (Continued)</u>																	
10-30-51	9.OS	0.86	7.1	6.7	157	35	78	102	5	95	181	62	66	1.9	0.7	0.05-	0
6-10-52			6.8	6.9	57	31	46	34	8	76	102	60	41	2.5	0.2	0.32-	0
10-22-52			7.0	6.7	132	38	71	86	9	90	163	86	47	2.6	1.5	0.03-	0
<u>Long Beach Plant "A"</u>																	
4-25-51	15.Ow	3.9	7.2	6.7	127	80	37	100	56	44	148	100	32	2.6	0.8	0.08	0
8-15-51	90.OS	5.2	7.1	6.5	162	95	41	124	58	53	166	145	13	6.9	1.0	0.16	0
9-17-52			6.6	6.0										1.5	1.5	0.03-	0
10-1-52		3.98	7.2	6.8	115	48	58	69	8	88	174	139	20	3.0	1.2	0.05-	0
<u>Bay Park Plant-Dist. No. 2 - Nassau County</u>																	
9-24-52	90.0	10.0	6.7	7.0	246	10	96	200	3	99	184	8	96	1.4	0.9	0.03-	0
<u>North Shore Country Club</u>																	
7-12-51			6.0	6.2										0	0	4,600	100

"A" Under construction (secondary stage)  
- Less than  
S Summer  
W Winter

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.	MPN per ml	% Over 1 per ml	
					Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %				
<u>NEW YORK</u>																	
<u>Nassau County (Continued)</u>																	
<u>Oyster Bay</u>																	
7-10-51	6.0	1.5X	6.5	6.5	126	48	62	91	18	80	149	109	27	1.5	0	1.1	25
10-18-51			6.5	6.4	87	60	31	42	11	74	114	111	3	1.3	0.5	0.35	0
7-22-52			6.5	6.3	99	40	60	60	8	87	137	80	42	1.9	0.6	0.9	25
11-18-52			6.7	6.4	111	41	63	67	14	79	144	117	19	2.4	1.2	0.75	25
<u>Port Washington</u>																	
5-24-51	9.8	1.5	6.9	6.7	239	109	54	206	78	62	247	178	28	2.8	0	2,750+	25
9-18-52e		1.5	7.6	6.9	318	14	96	279	12	96	293	15	95	3.8	1.5	0.77	50
<u>Rockville Center</u>																	
7-11-51	22.5	3.5	6.3	6.8	433	18	96	350	13	96	423	49	88	2.0	1.5	0.51	0
10-24-51		3.6	6.6	6.8	321	21	93	219	10	95	263	48	82	1.4	0.6	108	25
Diverted to Nassau County - Bay Park District 2 Plant																	
<u>Roslyn</u>																	
6-21-51	1.6	0.22	6.7	6.9	188	28	85	153	23	85	211	47	78	2.7	0	6.1	25
10-4-51		0.23	7.3	6.9	127	13	90	88	6	93	177	26	85	3.6	2.2	0.04	0
5-22-52		0.36	6.8	6.9	138	27	80	97	11	89	198	27	86	2.2	0.6	0.23	0
10-20-52		0.38	6.9	6.9	136	15	89	83	3	96	161	22	86	1.8	1.3	0.74	25

X Estimated average flow  
- Less than  
e New plant in operation

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.		MPN per ml	% Over 1 per ml
					Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	ppm	ppm		
<u>NEW YORK</u>																	
<u>Nassau County (Continued)</u>																	
<u>Sea Cliff - Long Island Lighting Co.</u>																	
7-12-51	0.35		7.0										8.0	8.0		0.03-	0
<u>West Long Beach District</u>																	
8-20-51	3.5W	1.7	7.0	7.2	187	22	88	126	6	95	244	38	84	1.6	1.0	1.67	50
6-11-52	12.0S	1.2	7.1	7.1	247	12	95	203	2	99	248	18	93	0.8	0.7	0.03-	0
11-13-52			7.1	7.2	42	11	74	27	7	74	121	22	82	1.5	1.0	0.05-	0

- Less than  
S summer  
W winter

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			Influent	Effluent	Removal	Avg. Min.		MPN	% Over
			AVG.	AVG.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
<u>NEW YORK</u>																	
<u>Bronx County</u>																	
<u>Hart City Island</u>																	
5-7-51	5.1	1.7	7.0	7.1	185	77	58	135	40	70	210	101	52				
7-30-51		0.7	6.7	6.6	109	46	58	71	20	72	160	87	47	0.9	0	525	25
<u>Hunts Point</u>																	
9-22-52	250.0		7.2	7.1	191	10	95	147	8	95	201	23	89	∅			
<u>Orchard Beach</u>																	
5-17-51			7.0	6.8										3.5	3.5	0.03-	0
7-7-52			7.1	7.0										0.2	0.2	0.73	0
<u>Kings County (Brooklyn)</u>																	
<u>Coney Island</u>																	
4-9-51	463.0	52	7.4	7.4	218	89	59	176	48	73	192	135	30				
6-5-51		63	7.2	6.8	262	61	77	218	23	89	191	106	45	0.25	0	2.5-	25
9-4-51		73	7.2	6.9	310	73	76	212	11	95	183	87	52	0.5	Trace	2300	50
4-15-52		60	7.3	7.2	112	50	55	70	18	74	130	101	22				
8-11-52		80	7.1	7.0	201	49	76	140	15	89	138	58	36	0.2	0	5500+	50

- Less than  
∅ Class "B" area, chlorination not required.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms		
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg.	Min.	MPN per ml	% Over 1 per ml	
			Influent	Effluent	Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal					
			ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm

NEW YORK

Kings County (Brooklyn - Continued)

Owls Head

9-15-52	750.0	96	7.3	7.1	173	26	85	124	6	95	206	64	69				
12-3-52		132	7.4	7.3	137	68	50	84	35	58	135	70	48				

Preferred Oil Company\*

Sea Gate

(Diverted to Coney Island Sewage Treatment Plant)

26th Ward

4-10-51	400.0	47	7.4	7.1	297	109	63	228	71	69	283	132	52				
6-25-51		48	7.2	7.2	239	44	82	169	16	91	288	61	79	0.7	0.2	94	100
9-6-51		48	7.2	7.1	323	50	85	272	37	86	311	62	80	0.4	0.2	5700	100
4-17-52		54	7.5	7.2	192	37	81	108	19	82	230	61	73	0.05			
8-25-52 <sup>e</sup>		50	7.6	7.1										0.05	0.0	11000+	100
9-23-52		58	7.2	7.1	232	28	88	194	18	91	239	47	80	0.1	trace	6100+	100

Floyd Bennett Field, U. S. Navy \*\*

\* No Investigation made

\*\* Results omitted- National Security

<sup>e</sup> Clogged air diffusers. Septic conditions



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.	ppm	MIN per ml	% Over 1 per ml

NEW YORK

New York County (Manhattan)

Canal Street

\* 38.0

Dyckman Street

\* 39.0

U.S. Army & Federal Installations - Bedloes Island\*

Wards Island

4- 2-51	1406.0	255	7.2	7.0	155	27	83	106	20	81	175	27	85	∅
5-28-51		199	7.2	7.0	140	25	82	84	8	90	179	26	85	
3-31-52		247	7.2	7.1	181	22	88	126	17	91	188	34	82	
6- 9-52		293	7.2	7.2	247	19	92	181	10	94	186	33	82	

Queens County

Bayside Gables

7- 2-51	0.6		6.1								0.6	0.6	0.93	0
5-20-52			6.1								trace	trace	930	100

\* No investigation made

∅ Class "B" area. Chlorination not required.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total Influent ppm	Total Effluent ppm	Total Removal %	Settleable Influent ppm	Settleable Effluent ppm	Settleable Removal %	Influent ppm	Effluent ppm	Removal %	Avg. ppm	Min. ppm	MPN per ml	% Over 1 per ml

NEW YORK

Queens County (Continued)

Bowery Bay

4- 4-51	360.0	47	7.3	7.2	131	35	73	100	22	78	159	44	72				
7-26-51			7.2	7.1	194	43	78	149	23	85	194	45	77	∅			
4- 7-52		39	7.3	7.2	152	18	88	104	9	91	172	42	76				
8-28-52		46	7.3	7.2	153	51	67	112	16	86	163	94	42				

Hammels

6-28-51	23.0	7.5	6.4	6.9										0	0	75	100
Diverted to Rockaway Plant																	

Jamaica

4-11-51	460.0		7.4	7.1	193	21	89	128	8	94	184	37	80				
6- 4-51			7.1	7.1	267	29	89	229	23	90	316	57	82	0.10	trace	40	100
9- 5-51		67	7.3	7.0	191	22	88	167	13	92	198	45	77	0.2	0	13000+	75
4- 1-52			7.3	7.0	200	23	89	144	13	91	218	36	83				
8-26-52			7.2	7.0	209	18	91	158	5	97	182	30	84	0.4	0.1	1.9	50

Rockaway

12-2-52	90.0	13	7.2	7.2	69	41	41	18	13	28	37	22	41				
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- Less than.  
 ∅ Class "B" area. Chlorination not required.  
 e Operation started August 1952.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min. ppm	ppm	MPN per ml	% Over 1 per ml
					Influent ppm	Effluent ppm	% Removal	Influent ppm	Effluent ppm	% Removal	Influent ppm	Effluent ppm	% Removal				

NEW YORK

Queens County (Continued)

Tallmans Island

4- 3-51	210.0	29	6.8	6.8	157	15	90	126	12	90	49	10	80				
6-26-51		26	7.5	7.0	167	8	95	126	6	95	171	14	92				
3-27-52		28	7.5	7.1	125	13	90	77	9	88	122	12	90				
8-27-52		30	7.2	7.1	172	14	92	127	8	94	166	12	93	None	4600		100

U. S. Army

Fort Tilden \*\*

Fort Totten \*\*

Westmoreland Garden Apartments

4-23-51				6.2										0	0	11000	100
7- 2-51				6.2							10.0	10.0		0.03-			0
7- 8-52				6.5							0	0		11000+			100

- Less than.

\*\* Results omitted. National security.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.		MPN per ml	% Over 1 per ml
					Influent ppm	Effluent ppm	% Removal	Influent ppm	Effluent ppm	% Removal	Influent ppm	Effluent ppm	% Removal	ppm	ppm		

NEW YORK

Richmond County

Ass'n. for Improvement of the Poor

\* 0.4

Cromwell Avenue

6-13-51	17.0	3.5	6.7	6.6									3.0	3.0	9.3	100
8-27-51				6.7									1.2	1.2	9.3	100
5- 5-52			6.9	6.4									10.0	10.0	0.03-	0
7- 1-52			6.7	6.6									2.0	2.0	93	100
11-5-52		3.0	6.8	6.7									1.4	1.4	93	100

Mt. Loretto Home (New Plant)

6-13-51	0.5			6.8									4.5	4.5	0.09	0
8-27-51				6.8									20.0	20.0	0.03-	0
7-19-52				6.8									0.8	0.8	0.28	0
11-5-52				6.2									15.0	15.0	0.03-	0

Mt. Loretto Home (Old Plant)

\* 1.0

\* No investigation made.

- Less than.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Avg. ppm	Min. ppm	MPN per ml	% Over 1 per ml
<u>NEW YORK</u>																	
<u>Richmond County (Continued)</u>																	
<u>Oakwood Beach</u>																	
6-13-51	37.5		7.0	6.8										4.0	4.0	0.43	0
8-27-51				6.6										0.8	0.8	0.93	0
5- 5-52			7.0	6.8										1.4	1.4	0.91	0
7- 1-52			6.9	6.8										1.8	1.8	2.1	100
11-5-52		5.0	7.0	6.8										2.8	2.8	9.3	100
<u>Richmond Memorial Hospital</u>																	
6-13-51	0.25			7.1										0	0	11000+	100
8-27-51				7.1										0.1-	0.1-	11000+	100
6-19-52														40.0	40.0	0.03-	0
11-5-52				6.5										0	0	11000+	100
<u>St. Josephs Home *</u>																	

\* No investigation made.  
- Less than.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Avg.	Min.	MPN per ml	% Over 1 per ml

NEW YORK

Richmond County (Continued)

Willowbrook State Hospital

5-14-51	6.0	0.43	6.6	6.2	375	102	73	300	49	84	446	295	34				
8- 6-51		0.63	8.0	6.3	246	65	74	152	17	89	414	250	40				
9-12-51		0.68	7.4	6.2	251	75	70	185	32	83	324	251	23				
5-19-52		0.49	7.1	6.8	221	84	62	123	27	78	365	360	1				
7-21-52		0.4	8.3	6.3	241	80	67	121	33	73	399	252	37				

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Avg. Min. ppm	ppm	MPN per ml	% Over 1 per ml
<u>NEW YORK</u>																	
<u>Rockland County</u>																	
<u>Haverstraw</u>																	
4-17-51	5.8	0.92	7.9	7.8	145	142	2	93	98	Neg.	199	158	21				
6-13-51		0.57	8.2	7.9	267	225	16	173	120	31	369	317	14	1.2	0.2	38	50
4-30-52			7.5	7.4	130	96	18	77	40	48	171	152	11				
7-8 -52			7.7	7.4	201	117	42	109	25	77	267	206	23	1.4	0.5	0.31-	0
<u>Jewish Convalescent Home</u>																	
6-11-52	0.06			7.6										0.1-	0.1-	11000+	100
8-12-52				6.4										15.0	15.0	0.43	0
<u>Letchworth Village</u>																	
4-24-51	5.0	0.60	7.2	6.9	215	121	44	146	54	63	336	232	31				
6-20-51		0.70	7.9	6.7	223	80	64	136	34	75	319	254	20	1.7	0.9	0.11-	0
9-19-51		0.57	6.9	6.8	220	117	47	104	17	84	336	242	28				
4-16-52		0.68	6.8	6.8	190	105	45	113	52	47	300	243	19				
7- 9-52		0.69	7.0	6.6	240	83	65	145	20	86	319	214	30	2.0	1.1	0.06	0

- Less than.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Avg. ppm	Min. ppm	MPN per ml	% Over 1 per ml

NEW YORK

Rockland County (Continued)

New York State Rehabilitation Hospital

4-19-51	1.0		7.6	7.7	142	81	43	108	57	47	175	133	24				
6-14-51			7.3	6.9	166	66	60	120	13	89	213	193	9	1.7	1.1	0.09-	0
5-22-52			7.2	6.8	137	44	68	99	7	93	183	141	28	1.6	0.5	3.76	50
7-31-52			7.1	6.9	94	50	47	51	21	59	122	109	11	1.2	0.6	1.32	50

Nyack

5- 8-51	5.8	0.86	7.3	7.1	206	85	59	158	33	79	242	195	19				
7-18-51		0.6	7.2	6.8	234	74	68	177	15	92	279	225	19	0.6	0.05	12	50
4-21-52		0.9	7.7	7.8	202	126	38	122	57	53	252	206	18				
7-28-52		0.9	7.3	7.0	233	98	58	133	30	77	272	219	19	0.2	0.1	771	100

Palisades Interstate Park Commission

Bear Mountain Plant

8- 7-51		0.28	7.6	6.4	135	30	78	109	3	97	184	132	28	6.9	5.0	0.03-	0
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Piermont Village

7-10-52	1.8		6.8	6.4	126	57	55	56	15	73	157	90	43	0.2	0	5.4	100
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- Less than.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			Influent	Effluent	% Removal	Avg. Min.		MFN per ml	% Over 1 per ml
					Influent	Effluent	% Removal	Influent	Effluent	% Removal				ppm	ppm		
<u>NEW YORK</u>																	
<u>Rockland County (Continued)</u>																	
<u>Piermont-Gair Paper Company*</u>																	
<u>Orangetown-District No. 2 Plant</u>																	
5-10-51	2.0	0.38	8.0	7.6	222	59	73	168	26	85	229	104	55				
7-10-52		0.5	7.4	6.7	181	138	24	121	60	50	171	165	4	1.7	0	21.6	50
<u>South Nyack</u>																	
4-16-51	3.0	0.38	7.2	7.1	89	58	35	63	27	57	115	84	27				
6-12-51		0.39	7.1	6.8	167	59	65	136	28	79	164	113	31	1.8	1.5	0.16	0
4- 3-52		0.65	7.0	7.0	92	58	36	61	39	36	92	79	14				
7- 7-52		0.41	7.0	6.8	152	72	53	106	27	75	128	113	12	0.9	0.6	0.38	0
<u>West Haverstraw</u>																	
4-18-51	2.0	0.50	7.2	7.0	130	54	58	109	27	75	139	90	35				
6-19-51		0.29	7.2	6.8	288	79	73	241	31	87	363	177	51	0.07	Trace		
9-11-51		0.24	7.1	6.5	353	129	63	305	66	78	353	265	25	0.1	0.1	11000+	100
6-11-52		0.34	7.1	6.9	128	70	45	91	29	68	163	121	26				
7-29-52		0.28	7.0	6.1	194	87	55	116	6	95	246	192	31	Trace	0	6200	100

\* No investigation made. Plant discontinued.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
					Total			Settleable			5 Day 20°C			Avg. Min.		MPN	% Over
			Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	% Removal	Influent ppm	Effluent ppm	% Removal	Influent ppm	Effluent ppm	% Removal	ppm	ppm	ppm	ppm
<u>NEW YORK</u>																	
<u>Suffolk County</u>																	
<u>Huntington District</u>																	
6-19-51	7.5	1.0X	7.1	6.6	247	53	79	178	10	94	257	156	39	6.4	0.8		
10-3-51			7.2	6.5	179	48	73	113	4	96	245	139	43	9.9	8.0	0.03-	0
6-3-52			6.8	6.6	146	38	74	93	11	88	181	93	49	4.6	3.0	0.03-	0
10-21-52			6.9	6.6	253	56	78	197	17	91	255	133	48	4.9	2.4	0.12	0
<u>Kings Park State Hospital</u>																	
5-22-51	6.0	1.46	6.6	7.2	275	11	96	184	6	97	363	13	96	2.1	1.9	1.85	25
10-31-51		1.4	6.7	7.1	295	3	99	174	2	99	341	5	99	2.3	1.9	0.04	0
5-6-52		1.5	6.8	7.2	198	9	95	113	3	97	334	6	98	1.5	1.0	0.05-	0
9-10-52		1.4	6.6	7.2	192	14	93	123	8	93	297	8	97	1.5	0.9	0.07-	0
<u>Northport</u>																	
6-12-51	5.8	0.24	7.0	6.6	203	43	79	171	24	86	214	95	56	2.5	1.2	0.38	25
10-2-51		0.2	7.1	6.4	208	46	78	147	17	88	235	92	61	2.6	0.5	0.14	0
5-20-52		0.29	7.0	6.5	140	32	77	108	8	93	128	65	51	1.3	0	37.6	50
8-20-52		0.26	6.8	6.5	139	32	77	105	9	91	127	69	46	2.3	1.3	0.15	0
<u>Port Jefferson</u>																	
*	3.0																

X Estimated average flow.  
- Less than.  
\* No investigation made.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms			
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.		MPN per ml	% Over 1 per ml		
			Influent	Effluent	Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal	ppm	ppm	ppm	ppm		
<u>NEW YORK</u>																			
<u>Westchester County</u>																			
<u>American Yacht Club</u>																			
<u>Tank No. 1</u>																			
7-5 -51	0.3			7.3											10.0	10.0		0.03-	0
7-7 -52				7.3											2.0	2.0		0.09	0
<u>Tank No. 2</u>																			
7-5 -51				8.0											35.0	35.0		0.03-	0
7-7 -52				5.6											24.0	24.0		0.03-	0
<u>Briarcliff Manor</u>																			
<u>River Road Plant</u>																			
7-24-51	0.1		7.0	6.8											6.0	6.0		0.03-	0
6-12-52			7.0	7.0											2.0	2.0		0.04	0
<u>Scarborough Dock Plant</u>																			
5-1 -51	0.5	0.1	7.0	6.4	44	14	68	33	1	97	53	27	49	2.6	0			0.03-	0
7-24-51		0.07	7.0	5.6	103	32	69	87	9	90	81	22	73	11.0	10.0			0.03-	0
5-27-52		0.3	6.8	6.6	52	9	83	44	3	93	40	24	40	1.1	0.6			30.6	75

- Less than.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			Influent	Effluent	Removal	Avg. Min.		MPN	% Over
			Avg.	Avg.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
<u>NEW YORK</u>																	
<u>Westchester County (Continued)</u>																	
<u>C. B. S. Transmitting Co. (Little Pea Island)</u>																	
8- 8-51	0.01			6.4										1.5	1.5	11	100
<u>Croton-on-Hudson</u>																	
9-12-51	3.0	0.17	7.3	7.0	337	62	82	271	15	94	375	176	53	2.9	0.2	275	25
7-30-52		0.44	7.3	6.8	235	54	77	169	10	94	253	92	64	3.5	0.0	375	25
10-28-52		0.37	7.4	7.2	225	83	63	138	27	80	231	155	33				
<u>Croton-Harmon Shops, N.Y.C.R.R.</u>																	
5- 2-51	1.3		9.2	9.2	318	81	75	246	17	93	103	32	69	1.6	0.2	0.64	25
8-14-52			9.4	7.1	253	22	91				83	27	67	1.9	0.9	0.03-	0
11-20-52			8.7	8.5	308	96	69	257	43	83	150	52	65				
<u>Irvington</u>																	
8-14-51	3.0	0.94	7.0	6.8	94	45	52	72	16	78	109	81	26	1.6	0.0	85	100
9-27-51		0.55	7.1	6.8	225	67	70	184	26	86	169	127	25	2.7	0.3	7.1	50
7-14-52e		1.2	7.1	6.5	123	72	41	87	25	71				2.4	0.1	1.24	25
10-30-52		0.58	7.2	7.1	229	66	71	197	31	84	217	122	44				

- Less than.

e Excess sludge in sedimentation tank. Digester being repaired.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Total			Settleable			5 Day 20°C			Avg. Min.		MPN per ml	% Over 1 per ml
					Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	ppm	ppm		
<u>NEW YORK</u>																	
<u>Westchester County (Continued)</u>																	
<u>Larchmont</u>																	
5- 3-51	6.3	1.07	6.8	6.4	139	49	65	87	21	76	169	96	43	6.0	3.0	0.12-	0
7-23-51		1.35	6.8	6.3	181	65	64	141	31	78	172	131	24	2.4	0.0	375	25
4-23-52		1.92	6.8	6.8	102	65	36	71	31	56	116	104	10				
8- 4-52		1.19	6.7	6.1	169	55	67	116	13	89	214	179	16	1.3	0.0	15.4	50
<u>Mt. Vernon-Shell Union Oil Co.</u>																	
6-19-52	0.035			7.0										0.0	0.0	2400	100
<u>New Rochelle</u>																	
6- 7-51	56.0		12.2	6.8	6.5									0.1	0.1	4.3	100
8- 2-51			14.0	6.8	6.7									1.8	1.8	0.93	0
6-12-52			17.5	6.8	6.6									0.5	0.5	9.3	100
<u>New Rochelle Yacht Club</u>																	
8- 8-51	0.1			6.7										0	0	11000+	100
<u>North Tarrytown</u>																	
4-17-51	8.7	1.2	7.0	7.0	146	92	37	108	49	55	230	134	42				
7-31-51		1.1	7.0	7.1	214	62	85	174	24	86	206	154	25	1.6	0.1	1.5	25
4-24-52		1.3	7.1	7.1	141	83	41	99	44	56	373	172	54				
7-29-52		1.0	6.7	6.8	154	66	57	87	13	85	203	146	28	2.1	0.6	0.24-	0

-Less than.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D.			Residual Chlorine		Coliform Organisms	
			Influent	Effluent	Total			Settleable			5Day 20°C			Avg. Min.		MPN per ml	% Over 1 per ml
					Influent	Effluent	Removal	Influent	Effluent	Removal	Influent	Effluent	Removal	ppm	ppm		
<u>NEW YORK</u>																	
<u>Westchester County (Continued)</u>																	
<u>Ossining</u>																	
<u>Liberty Street Plant</u>																	
4-18-51	1.6	0.38	8.3	7.7	134	61	54	82	24	71	192	89	54				
8-22-51		0.42	7.7	7.1	195	43	78	111	3	97	321	173	46	3.4	1.5	0.03-	0
4-30-52		0.57	7.1	6.9	44	25	43	30	6	80	78	67	14				
8-13-52		0.30	8.0	6.7	87	35	60	37	7	81	179	103	42	1.4	0.8	0.11-	0
<u>Sing Sing Prison</u>																	
5-10-51	1.73	0.28	7.5	7.1	161	59	63	115	34	70	254	162	36	1.9	0	0.26-	0
9-25-51e		0.23	7.7	7.0	110	81	26	57	30	47	233	165	29	3.1	0.1	121	50
8-7-52			7.8	7.2	106	46	57	59	15	75	299	133	56	0.6	0.0	24.0	50
<u>Water Street Plant</u>																	
4-16-51	14.4	1.8	7.3	7.2	175	122	30	123	70	43	239	198	17				
8-28-51		1.1	6.6	6.8	284	63	78	185	9	95	363	194	41	3.4	1.0	0.04-	0
4-29-52		2.1	7.1	7.1	123	77	37	88	44	50	130	90	31				
8-5-52		1.1	6.8	6.7	205	72	65	122	13	89	304	229	25	2.0	0.6	0.62-	25

eOne tank out of service for cleaning.  
-Less than.

Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		SUSPENDED SOLIDS						B.O.D. 5 Day 20°C			Residual Chlorine		Coliform Organisms	
			Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Influent ppm	Effluent ppm	Removal %	Avg. ppm	Min. ppm	MPN per ml	% Over 1 per ml

NEW YORK

Westchester County (Continued)

Portchester

5- 9-51	23.0	2.0	6.9	6.1	307	216	30	211	105	50	275	204	26	2.8	0.0	2756+	50
8- 1-51			7.0	6.1	283	187	34	173	101	42	250	160	36	3.8	0.05	2865	75
4-29-52			6.9	6.7	153	142	7	119	86	28	137	115	16				
9-16-52			7.4	5.9	347	133	62	299	65	78	295	126	58	5.4+	0.0	3750+	25

Tarrytown

4-30-51	8.8	1.4	7.0	7.0	177	110	38	115	57	50	276	182	34				
7-16-51		1.68	6.8	6.9	286	92	68	211	30	86	278	169	40	1.5	trace	13	50
8-29-51		1.18	6.8	6.8	178	58	67	115	14	88	235	142	40	2.8	1.5	0.19	0
4-22-52		1.9	7.2	7.1	134	83	38	97	40	59	137	123	10				
7-28-52		1.1	6.9	6.9	221	92	58	140	21	85	246	169	31	1.6	0.8	4.5	50

U. S. Army

Camp Smith\*\*

Fert Slocum\*\*

U.S.Veterans Administration-Crugers Hospital

4-19-51	3.6	0.19	6.6	6.6	287	131	54	172	27	84	247	166	33				
9-11-51		0.3	7.7	6.8	180	65	64	107	20	81	286	194	32	1.5	0.3	550	25

\*\* Results Omitted. National Security.



Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	PH		SUSPENDED SOLIDS						Residual Chlorine		Coliform Organisms				
			Influent	Effluent	Total			Settleable			Influent	Effluent	Removal	Avg. Min.	ppm ppm	MPN per ml	% Over 1 per ml
					Influent	Effluent	Removal	Influent	Effluent	Removal							
AVE.	AVE.		ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm				
<u>NEW YORK</u>																	
<u>Westchester County (Continued)</u>																	
<u>Westchester County Plants</u>																	
<u>Mamaroneck District</u>																	
5- 3-51	64.0	14.0	7.0	7.0								1.1	1.1	0.03-	0		
8- 2-51		12.0	6.9	6.8								0.5	0.5	1.2	100		
5-12-52		15.0	6.6	6.7								1.0	1.0	460	100		
<u>Rye (Blind Brook)</u>																	
5- 3-51	9.5		7.4	6.8								2.0	2.0	0.03-	0		
8- 2-51		1.5	7.2	6.8								0.8	0.8	0.15	0		
5-12-52		1.9	6.8	6.9								1.5	1.5	0.39	0		
<u>Yonkers, North</u>																	
6- 7-51	86.6	14.0	7.1	6.9								1.2	1.2	0.43	0		
5-21-52		18.5	7.1	6.9								0.5	0.5	240	100		
<u>Yonkers, South</u>																	
6- 7-51	259.6		6.8	6.9								1.1	1.1	24	100		
5-21-52		33.0	7.2	7.1								0.2	0.2	2400	100		

-Less than.



