

S u m m a r y

of

S e w a g e A n a l y s e s

1950

INTERSTATE SANITATION COMMISSIONERS

New Jersey

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William C. Cope
Harry N. Lendall
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New York

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DESCRIPTION OF ANALYTICAL PROCEDURES

The Interstate Sanitation Commission carries on a continuing program of routine field investigations to observe the effectiveness of sewage treatment works discharging into the waters of the Interstate Sanitation District. An average of three investigations a year 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

The procedure for total suspended solids determination conforms 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

The procedure for analyses of settleable solids is also in accord with Standard Methods, 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. Samples containing chlorine are treated in accord with the procedure of Standard Methods, Ninth Edition, pages 142-143, Section 11 A 3, 2. 1; 3. 2. 2. for dechlorination. 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. Occasionally the pH of the composite samples are determined electrometricly in the laboratory.

CHLORINE RESIDUALS

Chlorine residual determinations 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 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., 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 Commission's requirements. The inoculated lactose broth tubes are returned to the laboratory by 5:00 P.M. and incubated at 35° - 37°C. Observations are made after 24 hours and after 48 hours of incubation ($\pm$ 2 hours.) All lactose broth positives are confirmed in brilliant green bile 2% media.

The M.P.N. of each sample is used to arrive at an arithmetic average for each plant investigation.

"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 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.

(PART 1.)		Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
Plant Location					Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal		Influent ppm	Effluent ppm	Removal	
									ppm	%			ppm	%
FAIRFIELD COUNTY, CONNECTICUT														
Bridgeport														
East Side		6-20-50 C	43.0	12 x										
" "		11- 3-50 C			6.2	6.6	150	84	66	44				
" "		12-20-50 C			6.3	6.6	190	51	139	73				
West Side		7-19-50 C	123.0	22 x										
Darien														
"		1- 3-50 C	4.5	0.54 x	7.2	7.1	270	86	184	68				
"		5- 1-50 C			7.1	6.9	210	62	148	70				
"		6-19-50 C												
"		7-10-50 C												
"		10-16-50 C			7.1	7.0	190	53	137	72				
Greenwich														
Byram Plant		1-26-50 C	3.5	0.21 x	7.9	7.8	460	140	320	70				
" "		5- 3-50 C			7.3	7.3	470	130	340	72				
" "		6-19-50 C												
" "		10- 2-50 C			7.3	6.8	450	120	330	73				
Cos Cob Plant														
" " "		1- 5-50 C	5.1	0.7 x	7.5	7.3	230	92	138	60				
" " "		5-11-50 C			7.1	7.1	100	57	43	43				
" " "		6-19-50 C												
" " "		7-17-50 C												
" " "		10- 4-50 C			7.1	6.6	150	90	60	40				

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

(PART 2.)

(PART 2.)		Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
		7 day 20°C.		Calculated 5 day 20°C.		Removal					
		Influent	Effluent	Influent	Effluent						
Plant Location		ppm	ppm	ppm	ppm	ppm	%	Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
FAIRFIELD COUNTY, CONNECTICUT											
Bridgeport											
East Side		C						0.6	0.3	122+	100
" "		C		74	62	12	16				
" "		C		90	69	21	23				
West Side		C						0.4	0.25	240+	100
Darien		C		210	100	110	52				
"		C		150	61	89	59				
"		C						0.9	0.6	63+	75
"		C						1.6+	0.3	-0.6	25
"		C		220	90	130	59				
Greenwich											
Byram Plant		C		620	320	300	48				
" "		C		440	230	210	48	1.6+	0.65	62+	50
" "		C									
" "		C		550	280	270	49				
Cos Cob Plant		C		230	140	90	39				
" " "		C		170	140	30	18				
" " "		C						1.1	0.6	-5.1	75
" " "		C						0.7	0.4	-4.5	33
" " "		C		240	140	100	42				

C By The Connecticut State Dept. of Health
- Less Than

(PART 1.)

Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
				Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal		Influent ppm	Effluent ppm	Removal	
								ppm	%			ppm	%
FAIRFIELD COUNTY, CONN. Cont.													
Greenwich - Continued													
Grass Island Plant	1-31-50 C	11.2	2.37 x	7.7	7.5	170	46	124	73				
" " "	6-19-50 C												
" " "	8-31-50 C			6.8	6.5	220	37	183	83				
" " "	12-14-50 C			7.1	7.1	180	39	141	78				
Old Greenwich Plant	2- 6-50 C	5.8	0.77 x	7.1	6.9	330	77	253	76				
" " "	6- 1-50 C			7.5	6.5	170	42	128	75				
" " "	6-19-50 C												
" " "	10- 9-50 C			6.9	6.5	260	68	192	74				
Norwalk	2- 8-50 C	34.0		6.5	6.1	120	85	35	29				
"	6- 6-50 C			6.3	6.1	170	130	40	24				
"	6-26-50 C												
"	10-17-50 C			6.7	6.4	150	120	30	20				
Stamford	2-16-50 C	45.0	6.5 x	7.3	7.3	320	88	232	73				
"	6-12-50 C			7.1	6.7	380	76	304	80				
"	6-19-50 C												
"	7-10-50 C												
"	8-28-50 C			6.9	6.8	280	49	231	84				
"	12-11-50 C			7.5	7.3	230	110	120	52				
Stratford	1-25-50 C	26.0	3.0 x	7.3	7.1	100	60	40	40				
"	6-28-50 C												
"	10- 5-50 C			6.8	6.8	620	74	546	88				

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

(PART 2.)				Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
				7 day 20°C.		Calculated 5 day 20°C.		Removal					
				Influent	Effluent	Influent	Effluent			Avg.	Min.		
Plant Location		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	per ml.	1 per ml.		
FAIRFIELD COUNTY, CONN. Cont.													
Greenwich - Continued													
Grass Island Plant	C			240	120	120	50						
" " "	C							1.8+	1.5	-2.2	25		
" " "	C			230	100	130	60						
" " "	C			190	100	90	47						
Old Greenwich Plant													
" " "	C			190	100	90	47						
" " "	C			140	90	50	36						
" " "	C							1.3+	0.8	-0.33	0		
" " "	C			220	140	80	36						
Norwalk													
"	C			160	150	10	6						
"	C			140	130	10	7						
"	C							1.1	0	76+	75		
"	C			150	140	10	7						
Stamford													
"	C			210	100	110	52						
"	C			340	160	180	53						
"	C							0.5	0	122+	100		
"	C							0.7	0	68+	50		
"	C			410	190	220	54						
"	C			260	130	130	50						
Stratford													
"	C			180	180	0	0						
"	C							1.3+	Trace	- 4.6	50		
"	C			440	220	220	50						

C By The Connecticut State Dept. of Health
- Less Than

(PART 1.)

(PART 1.)		Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids						
					Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal ppm %		Influent ppm	Effluent ppm	Removal ppm %				
Plant Location																	
NEW HAVEN COUNTY, CONN.																	
Milford		2- 9-50 C	6.0	0.62 x	7.1	6.7	150	14	136	91							
"		6- 5-50 C			6.9	6.7	90	-1	89+	99+							
"		6-28-50 C															
"		8-29-50 C			6.8	6.6	100	-1	99+	99+							
New Haven																	
Boulevard Plant		2- 2-50 C	90.0	15 x	7.1	6.9	270	78	192	71							
" "		6-15-50 C			7.1	6.9	120	57	63	53							
" "		6-20-50 C															
" "		10-26-50 C			7.3	7.2	240	64	176	73							
East Street Plant		6-20-50 C	53.4														
West Haven																	
" "		2-15-50 C	27.0	2.7 x	8.1	8.1	250	91	159	64							
" "		6-14-50 C			8.0	7.3	270	74	196	76							
" "		6-20-50 C															
" "		7-18-50 C															
" "		10-19-50 C			7.7	7.7	450	120	330	73							

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

(PART 2.)		Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
		7 day 20°C.		Calculated		5 day 20°C.					
		Influent	Effluent	Influent	Effluent	Removal					
Plant Location		ppm	ppm	ppm	ppm	ppm	%	Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
NEW HAVEN COUNTY, CONN.											
Milford	C			120	10	110	92				
"	C			90	8	82	91				
"	C							0.8	0.6	1.11	50
"	C			92	6+	86	93				
New Haven											
Boulevard Plant	C			120	78	42	35				
" "	C			170	140	30	18				
" "	C							0.8+	-0.1	60+	50
" "	C			230	170	60	26				
East Street Plant	C							0.2	Trace	-34	50
West Haven	C			220	140	80	36				
" "	C			280	160	120	43				
" "	C							0.2	0	36	100
" "	C							0.15	0.1	87	100
" "	C			360	260	100	28				

C By The Connecticut State Dept. of Health
- Less Than

(PART 1.) Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
				Influent	Effluent	Influent	Effluent	Removal		Influent	Effluent	Removal	
				Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
BERGEN COUNTY, NEW JERSEY													
Cliffside Park	*	12.8											
Englewood Cliffs	4-19-50	0.89		6.8	6.8	129	59	70	54	106	36	70	66
" "	7-20-50			6.9	6.4	117	54	63	54	79	18	61	77
ESSEX COUNTY, NEW JERSEY													
Port Newark - Swift Refining Company	*												
HUDSON COUNTY, NEW JERSEY													
U. S. Navy Bayonne Naval Supply Depot	**												
MIDDLESEX COUNTY, NEW JERSEY													
Perth Amboy	5- 1-50	41.24	7.7	7.1	8.5	158	69	89	56	75	34	41	55
" "	8- 1-50		7.5	7.0	8.1	226	38	188	83	147	3	144	98
" "	11- 8-50		6.2	7.2	8.1	241	39	202	84	170	13	157	92
Sayreville (Melrose Plant)	5- 8-50	0.9	0.13	6.5	6.7	747	68	679	91	543	11	532	98
	10-17-50			6.2		248	63	185	75	118	8	110	93
South Amboy	5- 2-50	8.4	0.64	6.9	6.3	318	71	247	78	236	12	224	95
" "	8- 8-50		0.71	6.6	6.4	308	73	235	76	230	2	228	99
" "	11- 9-50		0.70	6.7	6.2	295	69	226	77	232	15	217	94

* No Investigation Made

** Results Omitted - Security Regulations

(PART 2.) Plant Location	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
	7 day 20°C.		Calculated 5 day 20°C.		Removal		Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
	Influent ppm	Effluent ppm	Influent ppm	Effluent ppm	ppm	%				
BERGEN COUNTY, NEW JERSEY										
Cliffside Park	*									
Englewood Cliffs	184	149	157	127	30	19				
" "	215	97	182	83	99	54	0.3	Trace	122+	100
ESSEX COUNTY, NEW JERSEY										
Fort Newark - Swift Refining Company	*									
HUDSON COUNTY, NEW JERSEY										
U. S. Navy Bayonne Naval Supply Depot	**									
MIDDLESEX COUNTY, NEW JERSEY										
Perth Amboy	291	132	247	112	135	55	1.7	1.5	122+	75
" "	514	169	438	144	294	67	1.2+	0.1	0.7	25
" "	265	152	225	129	96	43	1.5	0.8	148+	75
Sayreville (Melrose Plant)	1004	193	853	164	689	81	2.0+	2.0+	-0.3	0
	455	146	387	124	263	68	2.0+	2.0+	-0.3	0
South Amboy	585	320	497	272	225	45	1.5+	0.6	-0.3	0
" "	472	234	401	208	193	48	1.4+	0	-0.3	0
" "	523	266	445	227	218	49	1.9+	1.5	-0.3	0

* No Investigation Made

** Results Omitted - Security Regulations

- Less Than

(PART 1.)

(PART 1.) Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
				Influent	Effluent	Influent	Effluent	Removal		Influent	Effluent	Removal	
				Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
MONMOUTH COUNTY, NEW JERSEY													
Atlantic Highlands	5- 9-50	3.09	1.27	6.7	6.1	165	57	108	65	134	29	105	78
" "	8-14-50			6.8	6.2	246	58	188	76	174	14	160	92
" "	12- 5-50			6.7	6.2	197	85	112	57	161	52	109	68
Highlands	5-10-50	2.96	0.42	7.0	6.6	187	59	128	68	142	16	126	89
"	8-22-50		1.2	7.1	6.4	169	64	105	62	97	16	81	84
"	12- 6-50			6.9	6.4	187	67	120	64	143	33	110	77
Keansburg	11-22-50	5.6	1.1	6.5	6.6	79	65	14	18	34	17	17	50
Keyport	5- 3-50	5.9	0.74	6.7	6.6	164	69	95	58	114	20	94	82
"	8-23-50		0.67	6.8	6.4	218	68	150	69	72	12	60	83
"	12- 4-50		0.73	6.9	6.4	219	103	116	53	155	33	122	79
UNION COUNTY, NEW JERSEY													
Elizabeth Joint Meeting	3-20-50	391.12	27	6.8	7.2	355	98	257	72	247	44	203	82
" " "	5-24-50		38	7.3	7.2	211	85	126	60	158	53	105	66
" " "	10-10-50		40	7.4	7.3	279	70	209	75	216	26	190	88

(PART 2.)		Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
		7 day 20°C.		Calculated 5 day 20°C.		Removal					
		Influent	Effluent	Influent	Effluent						
Plant Location		ppm	ppm	ppm	ppm	ppm	%	Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
MONMOUTH COUNTY, NEW JERSEY											
Atlantic Highlands		319	204	272	173	99	36	2.0+	2.0+	-0.3	0
" "		368	185	313	157	156	50	2.0+	2.0+	-0.3	0
" "		321	194	273	165	108	40	2.0+	2.0+	-0.3	0
Highlands		300	113	256	96	160	63	2.0+	1.5	-0.3	0
" "		232	115	197	98	99	50	2.0+	2.0+	-0.3	0
" "		161	63	137	54	83	61	1.7	1.0	-0.3	0
Keansburg		152	90	129	76	53	41				
Keyport		372	258	317	219	98	31	1.3	0.8	-0.3	0
" "		325	198	276	168	108	39	1.8+	1.3	-0.3	0
" "		350	221	298	188	110	37	1.8+	1.3	-0.3	0
UNION COUNTY, NEW JERSEY											
Elizabeth Joint Meeting		328	169	279	144	135	48				
" " "		261	163	221	139	82	37				
" " "		160	114	136	97	39	29				

Ø Class "B" Area. Chlorination Not Required
- Less Than

(PART 1.)

(PART 1.) Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
				Influent	Effluent	Influent	Effluent	Removal		Influent	Effluent	Removal	
				Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
NASSAU COUNTY, NEW YORK													
Aircraft Service Corp. *													
(Formerly Columbia Aircraft)													
Belgrave Sewer District	5- 1-50	7.0		7.3	6.9	235	75	160	68	196	30	166	85
" " "	8- 3-50		1.7	7.3	6.4	221	43	178	81	164	9	155	95
" " "	11-13-50		2.1	7.7	6.7	203	75	128	63	146	28	118	81
Cedarhurst	5- 2-50	6.0	2.1	6.9	6.6	403	70	333	83	320	10	310	97
"	10-17-50		2.0	7.0	6.6	212	88	124	58	144	24	120	83
"	12- 5-50		1.6	7.1	6.5	221	84	137	62	172	39	133	77
Freeport	4-26-50	20.0	2.1	6.9	6.2		67				17		
"	9-12-50		2.4	6.8	6.3	219	100	119	54	148	38	110	74
"	11-20-50			7.5	6.5	275	87	188	68	221	43	178	81
Glen Cove	6- 6-50	15.0	2.4	7.0	6.7	207	84	123	59	177	43	134	76
" "	10-16-50		2.3	7.1	6.6	207	107	100	48	145	36	109	75
Morgan Island Estates	7-27-50	0.06	0.008 x	7.4	6.3	147	25	122	83	97	10	87	90
Great Neck Sewer District													
Bayview Avenue Plant	5-15-50	5.0	0.58	7.0	6.6	284	59	225	79	230	17	213	93
" " "	8-28-50		0.9	6.7	6.5	240	77	163	68	186	35	151	81
" " "	11-13-50		0.8	7.0	6.6	286	78	208	73	242	37	205	85
East Shore Road Plant	5- 8-50	6.0	0.8 x	6.9	6.7	199	45	154	77	171	17	154	90
" " " "	8- 7-50			6.9	6.4	165	64	101	61	114	23	91	80
" " " "	11- 8-50		0.3	7.3	6.6	128	37	91	71	104	12	92	88

* Industrial, Operations Discontinued

x Estimated Average Flow

(PART 2.) Plant Location	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
	7 day 20°C.			Calculated 5 day 20°C.			Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
	Influent ppm	Effluent ppm		Influent ppm	Effluent ppm	Removal ppm %				
NASSAU COUNTY, NEW YORK										
Aircraft Service Corp (Formerly Columbia Aircraft)										
Belgrave Sewer District	332	218		282	185	97 34	0.8	0.2	-40	25
" " "	258	100		200	85	111 58	2.0+	2.0+	-0.3	0
" " "	248	172		211	147	64 30	0.3	Trace	67+	75
Cedarhurst	616	278		524	237	287 55	2.0+	2.0+	-0.3	0
"	307	226		261	192	69 26	2.0+	2.0+	-0.3	0
"	329	218		283	186	97 34	2.0+	2.0+	-0.3	0
Freeport	278	157		237	134	103 43	1.5	0.1	-0.3	0
"	226	123		192	105	87 45	0.5	Trace	60+	25
"	282	142		240	120	120 50	1.5+	0.3	-0.44	25
Glen Cove	276	196		235	167	68 29	1.6+	1.0	-3.5	75
" "	353	282		300	239	61 20	1.1	0.4	56.8	75
Morgan Island Estates	288	89		245	75	170 69	2.0+	2.0+	-0.3	0
Great Neck Sewer District										
Bayview Avenue Plant	466	240		396	204	192 48	1.8+	0.4	-0.3	0
" " "	270	170		230	145	85 37	1.7+	0.15	-0.3	0
" " "	348	201		296	171	125 42	1.8+	0.5	-0.3	0
East Shore Road Plant	312	117		265	100	165 62	1.1	0.4	-1.8	50
" " " "	235	143		201	122	79 39	1.1	0	-7.9	75
" " " "	245	179		209	152	57 27	1.9+	1.0	-0.3	0

* Industrial, Operations Discontinued
- Less Than

(PART 1.)

Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
				Influent	Effluent	Influent	Effluent	Removal		Influent	Effluent	Removal	
				Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%
NASSAU COUNTY, NEW YORK Cont.													
Great Neck Village	4-24-50	6.0	0.6	7.3	6.9	327	27	300	92	258	7	251	97
" " "	7-31-50		0.72	7.1	6.9	232	29	203	88	151	6	145	96
" " "	11-16-50		0.72	7.2	7.0	217	24	193	89	142	13	129	91
Hempstead													
Green Acres Plant	6- 5-50	1.2	0.16	6.8	6.4	237	33	204	86	212	23	189	89
" " "	8-24-50			6.4	6.1								
" " "	11-21-50		0.1	6.6	6.2								
Lawrence	5- 4-50	3.0	0.54	6.8	6.0	157	47	110	70	118	20	98	83
"	10-16-50		0.78	6.9	6.5	331	89	242	73	258	25	233	90
"	12- 6-50		0.62	6.9	6.4	234	80	154	66	181	26	155	87
Long Beach													
Lido Beach Plant	6- 7-50	6.0 W	0.98	7.1	6.8	110	35	75	68	81	11	70	86
" " "	10-18-50	9.0 S		7.0	6.5	125	35	90	72	89	12	77	87
" " "	12-13-50		0.7	7.1	6.7	78	32	46	59	30	12	29	78
New York Avenue Plant	5-17-50	10.0 W	4.2	8.3	6.9	141	87	54	38	110	53	57	52
" " " "	10- 9-50	90.0 S	4.2	7.6	6.8	167	109	58	35	117	54	63	54
" " " "	12- 7-50		4.5	7.6	6.5	136	94	42	31	109	57	52	48
Oyster Bay	5-16-50	5.5	1.38	6.7	6.4	133	49	84	63	104	17	87	84
" "	10-18-50			6.4	6.3	95	39	56	59	67	11	56	84

S Summer
W Winter

(PART 2.) Plant Location	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
	7 day 20°C.		Calculated 5 day 20°C.		Removal		Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
	Influent ppm	Effluent ppm	Influent ppm	Effluent ppm	ppm	%				
NASSAU COUNTY, NEW YORK Cont.										
Great Neck Village	503	52	427	44	383	90	1.9+	1.0	-0.3	0
" " "	356	85	302	73	229	76	1.9+	1.0	-0.3	0
" " "	302	28	256	24	232	91	2.0+	1.5	-0.69	0
Hempstead										
Green Acres Plant	389	102	331	87	244	74	1.2	0.9	-0.3	0
" " "							2.0+	2.0+	-0.3	0
" " "							1.5	1.5	-0.3	0
Lawrence	250	176	212	149	63	30	1.9+	0.3	-0.3	0
"	415	224	353	191	162	46	1.9+	0.5	-0.3	0
"	282	158	240	135	105	44	2.0+	2.0+	-0.3	0
Long Beach										
Lido Beach Plant	141	95	120	81	39	33	2.0+	2.0+	-0.3	0
" " "	191	115	162	98	64	40	2.0+	2.0+	-0.3	0
" " "	172	62	146	53	93	64	1.9+	1.2	-0.3	0
New York Avenue Plant	225	155	191	132	59	31	1.9+	1.2	-0.34	0
" " " "	280	224	238	191	47	20	1.7+	0.5	-0.45	0
" " " "	228	139	194	118	76	39	1.9+	0.9	-0.3	0
Oyster Bay	199	158	166	134	32	19	2.0+	2.0+	-0.3	0
" "	174	109	148	93	55	37	2.0+	2.0+	-0.3	0

- Less Than

(PART 1.)													
Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
				Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal ppm %		Influent ppm	Effluent ppm	Removal ppm %	
NASSAU COUNTY, NEW YORK Cont.													
Port Washington District	1- 9-50	13.0	1.5	7.1	6.4	341	177	164	48	253	101	152	60
" " "	6- 8-50		1.5	7.0	6.4	271	136	135	50	228	101	127	56
" " "	11- 2-50		1.4	6.9	6.3	276	258	18	7	224	188	36	16
Rockville Center	5-10-50	22.5	3.2	6.7	6.9	219	21	198	90	187	10	177	95
" "	10-24-50		2.9	6.7	6.9	290	21	269	93	210	9	201	96
Roslyn	5-18-50	1.6	0.19	6.8	6.7	123	18	105	85	107	9	98	92
"	10-26-50 *		0.27	6.6	6.8	231	180	51	22	171	115	56	33
Sea Cliff													
Long Island Lighting Co.	7-27-50	0.07			6.3								
West Long Beach District	6- 6-50	3.5 W	0.18	7.2	6.7	106	52	54	51	88	31	57	65
" " " "	12- 4-50	12.0 S	0.7	7.2	6.9	98	38	60	61	80	14	66	83
BRONX COUNTY, NEW YORK													
Hart-City Island	4-20-50	5.1	1.36	6.9	6.9	373	112	261	70	337	69	268	80
" " "	7-10-50			6.9	6.6	334	135	199	60	293	87	206	70
" " "	9-25-50		0.8	6.7	6.9	176	44	132	75	113	6	107	95
Orchard Beach													

S Summer

W Winter

* Plant being reconstructed

(PART 2.)		Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
		7 day 20°C.		Calculated 5 day 20°C.		Removal					
		Influent	Effluent	Influent	Effluent						
Plant Location		ppm	ppm	ppm	ppm	ppm	%	Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
NASSAU COUNTY, NEW YORK Cont.											
Port Washington District		677	320	575	272	303	33	2.0+	2.0+		
" " "		362	220	307	219	88	29	1.1+	0.1	-0.8	25
" " "		342	329	291	279	12	4	1.1+	Trace	121+	50
Rockville Center		234	36	195	30	165	85	1.5	1.0	-0.41	0
" "		432	123	367	105	262	71	1.4	0.5	12.9	50
Roslyn		159	24	135	20	115	85	1.9+	0.4	-0.48	0
"		242	290	206	247	Neg	Neg	1.9+	1.5	-0.3	0
Sea Cliff											
Long Island Lighting Co.								1.2	1.2	-0.3	0
West Long Beach District		231	119	196	101	95	48	1.2	0.2	-0.24	0
" " " "		104	56	88	48	40	45	2.0+	2.0+	-0.3	0
BRONX COUNTY, NEW YORK											
Hart-City Island		205	103	174	88	86	49				
" " "		235	156	200	133	67	34	0	0	240+	100
" " "		221	117	188	100	88	47	-0.1	Trace	240+	100
Orchard Beach											

* No Investigation Made This Year

- Less Than

(PART 1.)		Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
Plant Location	Influent Avg.				Effluent Avg.	Influent ppm	Effluent ppm	Removal		Influent ppm	Effluent ppm	Removal		
								ppm	%			ppm	%	
KINGS COUNTY, NEW YORK														
Coney Island	3-27-50	463.0	61	7.3	7.2	228	82	146	64	188	58	130	69	
" "	10-30-50		50	7.3	7.3	231	77	154	67	165	33	132	80	
" "	12-14-50		53	7.5	7.4	276	80	196	71	197	27	170	86	
26th Ward	9- 6-50	400.0	39	7.6	7.1	273	93	180	66	187	30	157	84	
" "	12-11-50		62	7.6	7.4	172	138	34	20	98	68	30	31	
U. S. Navy Floyd Bennett Field	**													
NEW YORK COUNTY, NEW YORK														
Canal Street	*	38.0												
Dyckman Street	*	39.0												
U. S. Army and Federal Reservations														
Bedloes Island	*													
Wards Island	4- 3-50	1,406.0	262	7.3	6.8	240	26	214	89	198	16	182	92	
" "	7- 6-50		220	7.0	6.8	361	17	344	95	304	11	293	96	
" "	9-13-50		300	7.2	6.9	191	32	159	83	91	18	73	80	

* No Investigation Made This Year
 ** Results Omitted - Security Regulations

(PART 2.) Plant Location	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
	7 day 20° C.		Calculated 5 day 20° C.		Removal		Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
	Influent ppm	Effluent ppm	Influent ppm	Effluent ppm	ppm	%				
KINGS COUNTY, NEW YORK										
Joney Island	283	196	241	167	74	31				
" "	334	205	284	174	110	39				
" "	224	113	191	96	95	50				
26th Ward	263	160	224	137	87	39	0.4	0.1	120+	100
" "	284	217	242	185	57	24				
U. S. Navy Floyd Bennett Field										
NEW YORK COUNTY, NEW YORK										
Canal Street										
Dyckman Street										
U. S. Army and Federal Reservations										
Bedloes Island										
Wards Island	256	33	218	29	189	87				
" "	227	20	194	17	177	91				
" "	255	17	217	15	202	93				

* No Investigation Made This Year

** Results Omitted - Security Regulations

Ø Class B area. Chlorination not required.

(PART 1.)		Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
Plant Location	Influent Avg.				Effluent Avg.	Influent ppm	Effluent ppm	Removal		Influent ppm	Effluent ppm	Removal		
								%	%					
QUEENS COUNTY, NEW YORK														
Bayside Gables		7-24-50			6.0	5.6								
Bowery Bay		3-23-50	360.0	37	7.3	6.9	141	38	103	73	105	23	82	78
" "		6- 1-50		34	7.1	7.0	651	67	584	90	600	37	563	94
" "		8-31-50		46	7.0	7.0	144	54	90	63	100	34	66	66
Hammels		8- 2-50	23.0		7.3	7.2								
Jamaica		3-28-50	460.0	56	7.2	7.0	368	27	341	93	346	25	321	93
"		5-31-50		35	7.4	7.0	253	26	227	90	227	13	214	94
"		9-11-50			7.3	7.0	226	38	188	83	158	7	151	96
Tallmans Island		3-22-50	210.0	18	7.3	7.0	204	7	197	97	159	6	153	96
" "		5-25-50		15	7.3	7.1	162	21	141	87	116	7	109	94
" "		8-10-50		11.5	7.1	6.9	151	9	142	94	165	8	157	95
U. S. Army														
Fort Tilden		**												
Fort Totten		**												
Westmoreland														
Garden Apartments		9- 9-50				6.8								

** Results Omitted - Security Regulations

(PART 2.) Plant Location	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
	7 day 20°C.		Calculated 5 day 20°C.		Removal		Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
	Influent ppm	Effluent ppm	Influent ppm	Effluent ppm	ppm	%				
QUEENS COUNTY, NEW YORK										
Bayside Gables							1.0	1.0	-0.3	0
Bowery Bay	186	62	159	53	106	67				
" "	212	96	180	82	98	54				Ø
" "	160	33	137	28	109	80				
Hammels							0	0	240+	100
Jamaica	224	47	190	40	150	79				
"	321	68	273	58	215	79	0.6	0.2	-0.25	0
"	202	22	171	19	152	89	0.5	0.1	60+	25
Tallmans	150	6	127	5	122	96				
"	239	11	203	9	194	96	0	0	240+	100
"	154	9	131	8	123	94	0	0	240+	100
U. S. Army										
Fort Tilden										**
Fort Totten										**
Westmoreland										
Garden Apartments							2.0+	2.0+	-0.3	0

** Results Omitted - Security Regulations
 Ø Class B area. Chlorination not required.
 - Less Than

(PART 1.)			Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids					
Plant Location	Date Visited				Influent	Effluent	Influent	Effluent	Removal		Influent	Effluent	Removal			
					Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%		
RICHMOND COUNTY, NEW YORK																
Ass'n. For Improvement of the Poor			*													
Cromwell Avenue			5-22-50													
" "			7-26-50			7.2	7.0									
" "			9-20-50			7.1	6.8									
Willowbrook State Hospital																
(formerly Halloran General Hosp.)			4-17-50	0.41		7.6	7.0	238	80	158	66	166	39	127	77	
" " "			7-18-50	0.25		6.9	6.4	212	55	157	74	136	21	115	85	
" " "			10-24-50	0.47		6.9	6.5	228	89	139	61	176	32	144	82	
Mt. Loretto Home (New Plt.)			5-22-50	0.5												
Mt. Loretto Home (Old Plt.)			*	1.0												
Oakwood Beach																
" "			5-22-50	37.5												
" "			7-26-50			7.5	7.1									
" "			9-20-50			7.2	7.0									
Richmond Memorial Hospital																
" " "			5-22-50	0.25												
" " "			9-20-50				7.6									
St. Josephs Home			*													

* No Investigation Made

(PART 2.) Plant Location	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
	7 day 20°C.		Calculated 5 day 20°C.				Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
	Influent ppm	Effluent ppm	Influent ppm	Effluent ppm	Removal ppm	%				
RICHMOND COUNTY, NEW YORK										
Ass'n. For Improvement of The Poor *										
Cromwell Avenue							2.0+	2.0+	-0.3	0
" "							0.7	0.7	24	100
" "							2.0	2.0	9.3	100
Willowbrook State Hospital (formerly Halloran General Hosp.)	544	286	463	244	219	47				
" " "	429	243	365	207	158	43				
" " "	506	362	431	308	123	29				
Mt. Loretto Home (New Plt.)							2.0+	2.0+	-0.3	0
Mt. Loretto Home (Old Plt.) *										
Oakwood Beach							1.0	1.0	0.36	0
" "							2.0+	2.0+	-0.3	0
" "							2.0+	2.0+	-0.3	0
Richmond Memorial Hospital							-0.1	-0.1	240+	100
" " "							Trace	Trace	240+	100
St. Josephs Home *										

* No Investigation Made
- Less Than

(PART 1.) Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids					
				Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal		Influent ppm	Effluent ppm	Removal			
								ppm	%			ppm	%		
ROCKLAND COUNTY, NEW YORK															
Haverstraw	4- 4-50	5.8	1.0	7.4	7.4	400	175	225	56	325	105	220	68		
"	6- 7-50		0.5	8.2	7.0	275	151	124	45	204	71	133	65		
"	10- 3-50		0.6	7.7	7.5	322	229	93	29	219	130	89	41		
Jewish Convalescent Home (Grand View-on-Hudson)	6-22-50	0.06		7.2	6.4										
Letchworth Village	4-13-50	2.5	0.73	7.2	6.9	215	131	84	39	149	71	78	52		
" "	10- 5-50		0.64	6.7	6.8	214	123	91	43	113	46	67	59		
" "	12-12-50		0.81	6.8	6.8	173	113	60	35	134	71	63	47		
New York State Rehabilitation Hospital	4-19-50	0.3	0.17	7.9	8.0	192	110	82	43	148	64	84	57		
" " " "	6-13-50		0.21	7.6	7.2	209	62	147	70	152	26	126	83		
" " " "	10- 4-50			7.3	7.0	194	92	102	53	158	74	84	53		
Nyack	4-11-50	5.8	0.62	7.2	7.3	214	127	87	41	174	86	88	51		
"	6-12-50		0.66	7.2	6.9	299	109	190	64	246	42	204	83		
"	10- 2-50		0.62	7.1	6.8	310	95	215	69	247	27	220	89		
Piermont (Village)	6-22-50	1.4													
Piermont Gair Paper Company	*														
South Nyack	4-10-50	3.0	0.38	7.1	7.0	166	93	73	44	134	58	76	57		
" "	6-14-50		0.43	7.0	6.6	183	82	101	55	161	55	106	66		
" "	10- 2-50		0.38	7.0	6.9	267	130	137	51	161	65	96	60		

* No Investigation Made This Year

(PART 2.)	Biochemical Oxygen Demand						Residual Chlorine	Coliform Organism		
	7 day 20°C.		Calculated 5 day 20°C.		Removal					
	Influent	Effluent	Influent	Effluent						
Plant Location	ppm	ppm	ppm	ppm	ppm	%	Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.
ROCKLAND COUNTY, NEW YORK										
Haverstraw	472	325	401	277	124	31				
"	434	288	369	245	124	34	1.1	0.1	-0.24	0
"	541	460	460	391	69	15				
Jewish Convalescent Home (Grand View-on-Hudson)							2.0+	2.0+	-0.3	0
Letchworth Village	453	363	385	309	76	20				
"	420	294	356	250	106	30				
"	296	234	252	199	53	21				
New York State Rehabilitation Hospital	339	269	289	229	60	21	1.3	0	-2.25	25
"	344	205	293	174	119	41				
"	272	197	231	167	64	28				
Nyack	345	264	293	224	69	24	0.4	0	67+	75
"	541	470+	460	400+	60-	13-				
"	425	286	361	243	118	33				
Piermont (Village)							0	0	46	100
Piermont Gair Paper Company										
South Nyack	262	211	223	179	44	20				
"	249	161	212	137	75	35	1.5	0.6	-0.39	0
"	455	307	387	261	126	33				

* No Investigation Made This Year
- Less Than

(PART 1.)

(PART 1.)					pH		Total				Settleable Solids						
Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	Influent		Effluent		Suspended Solids		Removal		Influent		Effluent		Removal	
				Avg.	Avg.	ppm	ppm	ppm	%	ppm	ppm	ppm	%				
ROCKLAND COUNTY, NEW YORK Cont.																	
U.S. Public Housing Administration																	
Shanks Village	6-22-50	2.0	0.35	7.8	7.2	219	38	181	83	192	11	181	94				
" "	10-26-50		0.33	7.6	7.1	39	32	7	18	14	14	0	0				
West Haverstraw	4-18-50	2.1	0.47	7.2	6.8	211	62	149	71	175	30	145	83				
" "	6-21-50		0.29	7.2	6.4	361	71	290	80	312	22	290	93				
" "	10- 4-50		0.22	7.2	6.4	394	86	308	78	327	49	278	85				
SUFFOLK COUNTY, NEW YORK																	
Huntington District	5- 9-50	8.1	0.86	8.5	6.7	211	49	162	77	174	19	153	88				
" "	11-15-50		0.75	7.2	6.5	253	61	192	76	191	15	176	92				
Kings Park State Hospital	4-25-50	7.8		7.0	7.2	236	10	226	96	157	6	151	96				
" " " "	10-31-50		1.3	6.6	7.3	273	11	262	96	207	3	204	99				
Northport	5- 3-50	1.3	0.18	6.9	6.5	221	45	176	80	177	12	165	93				
" "	11-14-50		0.19	7.0	6.5	171	38	133	78	143	14	129	90				
Port Jefferson	*	1.3															
WESTCHESTER COUNTY, NEW YORK																	
Briarcliff Manor	3-21-50	0.6		7.0	6.8	92	22	70	76	78	18	60	77				
" "	6-14-50			7.0	6.0	60	12	48	80	50	4	46	92				
" "	9-18-50		0.07	7.1	6.7	112	11	101	90	80	4	76	95				

* No Investigation Made This Year

(PART 2.)	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
	7 day 20°C.		Calculated 5 day 20°C.		Removal					
	Influent	Effluent	Influent	Effluent	ppm	%	Avg.	Min.		
Plant Location	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	per ml.	1 per ml.
ROCKLAND COUNTY, NEW YORK Cont.										
U.S. Public Housing Administration										
Shanks Village	301	127	256	108	148	58	1.0+	0.4	125+	100
" "	475	276	404	235	169	42				
West Haverstraw	321	201	273	171	102	37				
" "	446	217	379	185	194	51	0.2	0	240+	100
" "	558	240	474	204	270	57				
SUFFOLK COUNTY, NEW YORK										
Huntington District	367	181	312	154	158	51	2.0+	2.0+	-0.3	0
" "	342	191	291	162	129	44	2.0+	2.0+	-0.3	0
Kings Park State Hospital	431	22	367	18	349	95	1.6	1.2	-1.31	50
" " " "	410	14	347	12	335	97	2.0+	1.9	-0.3	0
Northport	296	231	252	197	55	22	2.0+	1.7	-0.62	25
" "	232	108	198	92	106	54	1.9+	1.5	-0.3	0
Port Jefferson										
WESTCHESTER COUNTY, NEW YORK										
Briarcliff Manor	79	43	67	37	30	45				
" "	69	41	58	35	23	40	2.0+	2.0+	-0.3	0
" "	81	21	69	18	51	74	0	0	240+	100

* No Investigation Made This Year

- Less Than

(PART 1.)				Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids			
Plant Location	Influent Avg.	Effluent Avg.	Influent ppm				Effluent ppm	Removal		Influent ppm	Effluent ppm	Removal				
								ppm	%			ppm	%			
WESTCHESTER COUNTY, NEW YORK Cont.																
Croton - Harmon Shops, N.Y.C.R.R.	4-20-50	1.3	0.25	9.4	9.0	257	217	40	16	194	168	26	13			
" " " "	6-27-50		0.8	9.3		384	115	269	70	330	38	292	88			
" " " "	10-19-50		0.6	9.2	9.1	450	78	372	83	326	41	285	87			
U.S. Veterans Administration Crugers Hospital	9-20-50	2.5	0.25	6.6	6.8	134	55	129	70	126	16	110	87			
Larchmont	4-10-50	6.2	0.91	7.0	6.8	185	81	104	56	153	58	95	62			
"	7-12-50		1.21	6.6	6.2	111	60	51	46	86	35	51	59			
"	9-25-50		1.04	6.8	6.5	241	61	180	75	190	20	170	89			
Mt. Vernon Shell Union Oil Co.	*															
New Rochelle	5-15-50	41.2														
" "	9-21-50		12.4	7.0	6.7											
North Tarrytown	4- 5-50	9.5	1.28	7.0	7.1	172	101	71	41	139	72	67	48			
" "	6-29-50		0.9	7.0	6.8	236	79	157	67	163	18	145	89			
" "	10- 3-50		0.9	7.1	7.1	248	97	151	61	203	39	164	81			
Ossining Liberty Street Plant	4-11-50	1.2	0.20	9.1	8.2	179	66	113	63	119	29	90	76			
" " "	6-28-50		0.25	7.7	7.0	225	60	165	73	166	24	142	86			
" " "	9-19-50		0.15	6.9	7.4	202	73	129	64	109	14	95	87			
Sing Sing	4-18-50	2.2	0.24	8.3	7.4	183	81	102	56	112	41	71	63			
" "	9-27-50			6.6	6.0	161	53	108	67	117	15	102	87			

* No Investigation Made This Year

(PART 2.)	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism	
	7 day 20°C.		Calculated 5 day 20°C.							
	Influent	Effluent	Influent	Effluent	Removal		Avg.	Min.	M.P.N.	% over
Plant Location	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	per ml.	1 per ml.
WESTCHESTER COUNTY, NEW YORK Cont.										
Croton - Harmon Shops, N.Y.C.R.R.	161	83	137	71	66	48				
" " " "	151	69	123	59	64	52	1.6+	0.9	-0.3	0
" " " "	89	41	76	35	41	54				
U.S. Veterans Administration Crugers Hospital	265	150	225	128	97	43	Trace	Trace	120+	50
Larchmont	291	231	248	197	51	21				
"	186	163	158	136	22	14	1.5+	0	60+	25
"	303	193	252	165	87	35	0.6	0	147+	50
Mt. Vernon Shell Union Oil Co.	*									
New Rochelle							2.0+	2.0+	-0.3	0
" "							2.0+	2.0+	2.3	100
North Tarrytown	304	192	259	163	96	37				
" "	434	198	368	169	199	54	2.0+	2.0+	-0.45	0
" "	326	226	277	192	85	31				
Ossining Liberty Street Plant	345	193	293	164	129	44				
" " "	412	217	350	184	166	47	2.0+	2.0+	-0.3	0
" " "	368	196	313	211	102	33	0.7	Trace	-0.54	25
Sing Sing	309	274	263	233	30	11				
" "	220	170	187	144	43	23	1.4	0	-21	50

* No Investigation Made This Year
- Less Than

(PART 1.)

(PART 1.) Plant Location	Date Visited	Est. Pop. Served (Thousands)	Flow M.G.D.	pH		Total Suspended Solids				Settleable Solids					
				Influent Avg.	Effluent Avg.	Influent ppm	Effluent ppm	Removal		Influent ppm	Effluent ppm	Removal			
								ppm	%			ppm	%		
WESTCHESTER COUNTY, NEW YORK Cont.															
Ossining (Cont.)															
Water Street Plant	4- 6-50	14.0	1.3	7.2	7.1	240	108	132	55	187	63	124	66		
" " "	6-26-50		1.1	6.8	6.8	285	93	192	67	183	21	162	89		
" " "	9-19-50		0.87	6.6	6.7	223	79	144	65	143	34	109	76		
Portchester	4-12-50	23.9	1.92	6.6	6.5	338	212	126	37	273	131	142	52		
"	7-19-50		1.8	7.0	6.4	384	157	227	59	326	81	245	75		
"	9-27-50			6.6	6.0	452	222	230	51	366	203	163	45		
Tarrytown	3-30-50	8.3	0.98	7.1	7.2	161	104	57	35	112	54	58	52		
"	6-13-50		0.73	6.9	6.7	181	75	106	59	123	40	83	67		
"	8-16-50		0.82	6.9	6.9	224	96	128	57	152	26	126	83		
U.S. Army															
Camp Smith	**														
Fort Slocum	**														
Westchester County Plants															
Mamaroneck District	5-23-50	39.0	15.0	7.1	7.0										
" "	9-21-50		10.0	6.6	6.8										
Rye (Blind Brook)	5-23-50	9.5	0.3												
" " "	9-21-50		0.8	7.2	6.8										
Yonkers, North	5-11-50	90.5	10.0	7.5	7.0										
" "	9-21-50		10.0	7.4	6.8										
Yonkers, South	5-11-50	279.0	38.0	7.2	7.0										
" "	9-21-50			7.1	6.7										

** Results Omitted - Security Regulations

(PART 2.)

(PART 2.) Plant Location	Biochemical Oxygen Demand						Residual Chlorine		Coliform Organism		
	7 day 20°C.			Calculated 5 day 20°C.			Avg. ppm	Min. ppm	M.P.N. per ml.	% over 1 per ml.	
	Influent ppm	Effluent ppm		Influent ppm	Effluent ppm	Removal ppm %					
WESTCHESTER COUNTY, NEW YORK Cont.											
Ossining (Cont.)											
Water Street Plant	337	206		287	175	112 39					
" " "	448	320		380	271	109 29	1.5+	0.3	-0.3	0	
" " "	298	210		254	179	75 30	2.0+	1.9	-0.3	0	
Portchester	302	234		257	199	58 23					
"	364	245		310	208	102 33	0.5	0	65+	75	
"	424	234		361	199	162 45	-0.1	Trace	240+	100	
Tarrytown	191	158		162	135	27 17					
"	319	219		272	186	86 32	1.8+	0.5	-6.38	25	
"	261	164		222	139	83 37	0.9	0.5	-0.3	0	
U.S. Army											
Camp Smith											**
Fort Blodum											
											**
Westchester County Plants											
Mamaroneck District							1.5	1.5	-0.3	0	
" "							2.0+	2.0+	0.91	0	
Rye (Blind Brook)							2.0+	2.0+	-0.3	0	
" " "							0.5	0.5	46.0	100	
Yonkers, North							2.0+	2.0+	-0.3	0	
" "							2.0	2.0	-0.3	0	
Yonkers, South							1.3	1.0	-0.3	0	
" "							1.1	1.1	3.9	100	

** Results Omitted - Security Regulations
- Less Than