

DOCKET NUMBER **PROD. 8. UTIL. FAC.** 50-24

TO:

DEPUTY, ASSOCIATE ASSISTANT, COUNTY AND CITY HEALTH COMMISSIONERS REGIONAL HEALTH DIRECTORS AND DISTRICT HEALTH OFFICERS DIRECTORS OF BUREAUS, STAFF OFFICES, HOSPITALS AND APPROVED LABORATORIES

FRCM: Doctor Thompson

SUBJECT:

Environmental Radioactivity in New York State - 1967

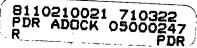
INTRODUCTION

The Bureau of Radiological Health, Division of General Engineering and Radiological Health, of the New York State Health Department routinely monitors the environment for radioactivity content. Radioactive materials originate from three basic sources; natural radioactive substances such as uranium, radium and thorium found in most rocks and soils; fallout, originating free weapons testing; man's uses in industry and science, such as power reactors, medicine, research laboratories and manufacturing processes. The State Health Department each year analyzes over 2,500 samples of water, milk, air, and other materials that may contain radioactive materials. The data obtained is evaluated so that necessary corrective action can be taken before the public receives exposures that may be deleterious to health. This is a report on the levels of radioactivity found during the 1967 calendar year and includes data from sampling stations around the Nuclear Fuel Services (NFS) plant in northern Catta augus County.

AIR

The radioactivity in air is determined by a gross beta test for particulates in the air removed on a filter. The sampling device is a 1 cubic foot per minute pump that pulls air through a glass fiber filter.

During 1967, the air monitoring stations picked up fallout originating from the Chinese nuclear tests on December 28, 1966 and on December 24, 1967. The maximum concentrations for all stations except Albany occurred in early January 1967 and was attributable to the weapons test in December 1966. The maximum concentration in Albany occurred on December 30-31, 1967 and resulted from the low level injection of material into the jet stream. Higher than usual fallout was noted by Brookhaven National Laboratory on Long Island at this same time. This fallout was due to the Chinese test on December 24, 1967. If fallout from weapons testing were to exceed 10 pCi/meter³ for an extended period the surveillance program would be expanded. Since the concentrations noted during 1967 were usually between 1/10 and 1/100 of this level, no public health significance is attributable to airborne radioactivity.



The samples of air taken around the NFS plant were not significantly different from other areas of the State. The routine discharges from the stack of the plant were not detectable at the offsite sampling stations because of the large atmospheric dilution provided and because the discharges were within AEC limits.

FALLOUT

Fallout, the term used to denote radioactive materials originating from the atmosphere, is determined by placing an open large mouth jar outside and collecting the dust and precipitation for a period up to a month. At the Albany station the sample is collected weekly. The usual level of fallout has been low to undetectable with the eleception of the fallout that occurred during the last week of 1967. Again, this was the direct result of the December 24, 1967 Chinese test and precipitation in New York State during that week which washed the activity out of the atmosphere.

Only a few monthly samples were taken in 1967. The laboratory was moved to a new location in May and it took a number of sonths to put the complex counting system back in working order. No significance, from the health standpoint, is given to the amount of fallout occurring in 1967.

MILK

Milk is one of the most sensitive indicators of radioactivity in the environment. For this reason, major dairys located in various parts of New York State, are routinely monitored. The portion of the public that is most susceptible to ic izing radiation is the small child. Also, the small child drinks a considerable quantity of milk compared to his total food requirement. Therefore, milk supplies are monitored to ensure that the radioactivity content remains below harmful levels.

During 1967, New York State milk was far below levels that are considered harmful. In many cases, the radioactivity level was below the detection capability of our instruments.

The isotope tritium $({}^{3}\text{H})$ was measured in milk. This radioactive isotope of hydrogen is a component of fallout from weapons testing. The allowable concentration is 3 million pCi/liter and the levels found in 1967 are less than 1/1000 of his concentration.

WATER

Lakes and rivers are sampled at various intervals to determine if fallout is evident or if industrial--medical--educational facilities are discharging activity above allowable limits. Most of the water samples are taken near present or planned nuclear facilities. During 1967 many samples showed concentrations near or below the detectable limit of the instrumentation. In no case did any sample exceed the allowable concentrations. However, the effects of salt water intrusion in the lower Hudson River and the discharges from the NFS plant on Cattaraugus Creek were evident. In the lower Hudson River, salt water intrusion up the river is evident to a point above Peekskill. The river samples in this area show higher gross beta levels because salt (sea) water contains over 200 pCi/l gross beta concentration due mostly to naturally occurring potassium-40. The Consolidated Edison Company operates a nuclear power plant at Indian Point on the Hudson River just south of Peekskill. Routine releases throughout the year were not detectable in the Hudson River at the state's sampling station because of the large dilution available and the small discharge of radioactivity.

The effects of the discharges from NFS are evident in Buttermilk and Cattaraugus Creeks. The AEC has not established a limit for that section of Buttermilk Creek which receives the waste because this section is within the NFS site boundary and under the control of NFS. The allowable limits are applied by the AEC to Cattaraugus Creek at the site boundary after inflow of Buttermilk Creek. The limits for gross beta or strontium 90 (if strontium 90 were the only radioactive material present) are a yearly average of 300 pCi/l and a maximum allowable concentration at any time not to exceed 600 pCi/l. The allowable average yearly concentrations in pCi/l for other radioactive materials if each were the only radioactive material present are Cs-137 - 20,000; Zr-Nb-95 - 60,000; Ba-La-140 - 30,000; Sr-89 - 3,000; Tritium - 3 million.

SUMMARY

During the year 1967 no radioactivity was detected that could be directly attributable to discharges from installations handling radioactive materials with the exception of the Nuclear Fuels Services plant in Cattaraugus County. The samples of air and water taken around the NFS plant indicated that AEC limits for discharge were not exceeded. Fallout from nuclear weapons testing was detected but was of no public health significance.

KEY	

Curie (Ci):	The quantity of any radionuclide in which the number of disintegrations per second is 37 billion.	
Millicurie (mCi):	One thousandth of one curie.	
Picocurie (pCi):	One millionth of a millionth of a curie.	
Cubic Meter (M ³):	Approximately 35.3 cubic feet.	
Milliliter (ml):	One thousandth of liter (approximately 0.0011 quarts).	
Liter (1):	One liter (approximately 1.06 quarts).	
Kilogram (kg):	One thousand grams or 2.2 pounds.	
- :	In report tables indicates that analysis was not made.	
N.D.:	Non detectable with the limits of sensitivity as follows:	:
131 _I	5 pCi/l or 20 pCi/l depending on method of analyses.	
137 _{Cs}	20 pCi/l	
89 _{Sr}	3 pCi/l	
90 _{Sr}	3 pCi/l	
З _Н	1000 pCi/l	
Gross Beta (water)	1 pCi/l	
(air)	0.001 pCi/M^3	
· .		

Environmental Radioactivity in New York State Report of Statewide Stations January 1, 1967 - December 31, 1967

Air Samples Gross Beta pCi/M³

•							
	· · ·		Gross		:	· · · · · · · · · · · · · · · · · · ·	Gross
Station - Location	<u></u>		Beta	Station - Location	· · · · · · · · · · · · · · · · · · ·		Beta
Albany County	Sample			Dutchess County	Sample	4	•
	No.	209			No.	7	
Albany	Avg.		0.12	Pawling	Avg.		0.09
State Health Dept.	Max.		1.40	•	Max.		0.35
Laboratory	Min.	•	0.01		Min.		0.01
Cattaraugus County	Sample		· · · ·	Erie County	Sample		
and the second	No.	9			No.	1	200
Ashford	Avg.		0.08	Concord	Avg.		0.11
Site 04	Max.		0.21	•	Max.		-
	Min.		0.03	~	Min.		-
Ashford	Sample		•	Orange County	Come la		
Site 14	No.	4		Orange County	Sample No.	11	
SICC 14	Avg.	4	0.18	Tuxedo	Avg.	T T	0.14
	Max.		0.33	Union Carbide	Max.		0.44
	Min.		0.06	Long Meadow Road	Min.		0.03
Ashford	Sample	•		Tompkins County	Sample		
Site 43	No.	. 9		Tompkins councy	No.	43	
	Avg.	,	0.13	Ithaca	Avg.	40	0.09
	Max.		0.53	Sage Annex	Max.		1.53
	Min.		0.01	Cornell Univ.	Min.		0.01
Ashford	Sample			Westchester County	Sample		
Site 44	No.	13		<u>Acs concister</u> country	No.	43	
	Avg.	10	0.12	Cortlandt	Avg.		0.06.
•	Max.		0.27	Public Works	Max.		0.31
	Min.		0.02	Garage		•	0.01
Ashford	Sample			Peekskill	Sample		
Site 45	No.	46		Camp Field	No.	49	
	Avg.	-10	0.08	Filter Plant	Avg.	47	0.09
	Max.		0.26	I II CEI I I MIC	Max.		0.09
	Min.		0.01		Min.	* .'	0.02
»•					171 A 1 8 4		0.07

1967

Radioactivity Levels in Fallout

Result in pCi/ft²/day

1.

Station - Location		I-131	Cs-137	ZrNb-95	BaLa-140	Sr-89	Sr-90
<u>Albany County</u> .	Sample No.	14	13	14	13	17	46
Albany	Avg.	6	N.D.	N.D.	N.D.	N.D.	N.D.
State Health Dept.	Max.	43	N.D.	N.D.	N.D.	6	N.D.
Laboratory	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
<u>Cattaraugus County</u>	Sample No.	12	16	11	11	2	39
Ashford	Avg.	N.D.	N.D.	N.D.	N.D.	23	N.D.
Site 45	Max.	N.D.	45	N.D.	536	45	10
	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
<u> Cnondaga County</u>	Sample No.	9	9	9	9	9	9
Syracuse	Avg.	70	N.D.	N.D.	100	N.D.	N.D.
State Office Bldg.	Max.	318	37	150	894	N.D.	N.D.
	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Suffolk County	Sample No.	1	1	1	1	1	ì
Brookhaven	Avg.	291	N.D.	37	364	7 N.D.	N.D.
Thee's Dairy	Max.	-	-			-	-
	Min.	•	-	-	-	-	-
Tompkins County	Sample No.	4	4	4	4	4	4
Ithaca	Avg.	21	N.D.	25	111	N.D.	N.D.
Cornell University	Max.	85	N.D.	99	444	9	N.D.
	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Westchester County	Sample No.	4	4	4	4	4	4
Peekskill	Avg.	107	26	50	188	18	N.D.
Camp Field Filter	Max.	427	102	199	753	59	N.D.
Plant	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
•							

Radioactivity Levels in Milk

Result in pCi/liter

Station - Location		I-131	Cs-137	ZrNb-95	BaLa-140	Sr-89	Sr-90 Tritium
Albany County	Sample	100	98	93	93	14	19 17
Albany	No. Avg.	N.D.	N.D.	N.D.	N.D.	N.D.	5.8 1512
Normanskill Dairy	Max.	7	49	N.D.	N.D.	7.5	15.7 2820
x	Min.	N.D.	N.D.	N.D.	N.D.	7.5	3.5 1150
	· ·						
Cattaraugus County	Sample No.	2	2	2	2	-	- 2
Ashford	Avg.	N.D.	24	N.D.	N.D.		
Site 12	Max.	N.D.	30	N.D.	N.D. N.D.	· -	- N.D.
	Min.	N.D.	N.D.	N.D.	N•D•		- N.D.
	-				N.D.		- N.D.
Ashford	Sample	21	21	9	9	4	8 6
Site 14	No.					·	0 0
	Avg.	N.D.	25	N.D.	N.D.	N.D.	12 1970
	Max.	N.D.	47	N.D.	N.D.	N.D.	16 3300
	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D. N.D.
Ash Fard						1. j	
Ashford Site 31	Sample	15	15	6	6	2	8 3
Sile SI	No.	ND	07	N 5	· · ·	· · · ·	
	Avg. Max.	N.D. N.D.	27	N.D.	N.D.	N.D.	11 2270
	Max. Min.	N.D.	56 N.D.	N.D.	N.D.	N.D.	18 6800
	147711•	N•D•	N•D•	N.D.	N.D.	N.D.	6 N.D.
Ashford	Sample	18	14	.6	6	2	10 =
Site 43	No.		.	.0	0	Ζ.	10 5
• • • • • • • • • • • • • • • • • • • •	Avg.	N.D.	23	N.D.	N.D.	N.D.	19 1554
	Max.	5	31	N.D.	N.D.	N.D.	26 3660
	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	
							N.D. N.D.
Ashford	Sample	1	1	1	1	-	- 1
Site 44	No.						
,	Avg.	N.D.	N.D.	N.D.	N.D.	-	- 1190
	Max.	-	-	.	-	-	
	Min.	- 1 - 1	-	-	-	-	-
Ashford	C 1	10	10	.	_	•	
Site 45	Sample No	19	18	8	8	4	9 5
	No .	N.D.	20	ND		·	
	Avg. Max.	N.D. 6	29 49	N.D.	N.D.	N.D.	13 N.D.
	Max. Min.			N.D.	N.D.	N.D.	17 1810
	MTH•	N.D.	N.D.	N.D.	N.D.	N.D.	7 N.D.

(Con't)

Radioactivity Levels in Milk (Con't)

Result in pCi/liter

Station - Lo	cation	•	I-131	Cs-137	Z	Nb-95	BaL	a-140	Sr-89	Sr-90	Tritium
Ashford Site 46	•	Sample No.	18	17	7		7		2	10	8
		Avg.	N.D.	25		N.D.		N.D.	N.D.	13	1375
		Max.	. 8	62		N.D.		N.D.	N.D.	23	2880
		Min.	N.D.	N.D.		N.D.	t st	N.D.	N.D.	10	N.D.
Ashford Site 66		Sample No.	1		1		1		-	-	1
		Avg.	N.D.	25		N.D.	·	N.D.	· •	-	2010
		Max.	. =	· •	۰. ۰	· · · ·		-	-	· · · · ·	-
		Min.	-	- .	•	-		-	-		-
Ashford Site 68		Sample No.	18	17	6		6		4	11	5
	· · · · ·	Avg.		21		N.D.		N.D.		12	
		Max.	• 7	35		N.D.		N.D.		20	
		Min.	N.D.	N.D.		N.D.		N.D.	N.D.	N.D.	N.D.
East Otto Site O2		No.		17			6		3	11	9
			9.D.	N.D.		N.D.		N.D.		11	1900
•			6	35		N.D.		N.D.	6	16	3240
		Min.	N.D.	N.D.		N.D.		N.D.	N.D.	- 5	N.D.
Machias Site 47		Sample No.	19	18	7		7	•	2	11	.8
		Avg.	N.D.	26		N.D.		N.D.	N.D.	14	
•		Max.	10	56	,	N.D.		N.D.	N.D.	19	
•		Min.	N.D.	14		N.D.		N.D.	N.D.	. 9	N.D.
Yorkshire Site 13		Sample No•	16		5		5		3	11	7
		Avg.	N.D.	20		N.D.		N.D.	N.D.	12	1430
•		Max.	9	36		N.D.		N.D.	N.D.	14	1980
	· ·	Min.	N.D.	N.D.		N.D,		N.D.	N•D•	9	1000
rie County		Sample No•		18	17	• •	17	•	17	22	
Buffalo		Avg.	N.D.	N.D.		N.D.		N.D.	6.0	6.0	.v –
Sterling Am	herst	Max.	N.D.	26		N.D.		N.D.	9.0	10.0	-
Farm Dairy		Min.	N.D.	N.D.		N.D.		N.D.	4.0	4.0	-

(Con't)

Radioactivity Levels in Milk (Con't)

Station - Location		I-131	Cs-137	Zr	Nb-95	Ba	aLa-140	Sr-89	Sr-90	Tritiun
Concord	Sample	18	17	7		7		4	8	9
Site 49	No.	10							-	
5106 47	Ava.	N.D.	27		N.D.	:	N.D.	N.D.	14	2140
			52		N.D.			N.D.	29	3350
			N.D.		N.D.		N.D.		8	N.D.
Concord	Sample	18	17	6	· • · · ·	6		4	10	5
Site 50	No •	· .				• • • •	· · · · ·			
	Avg.	N.D.	26					N.D.		
	Max.	N.D.	65	. ,				N.D.		
	Min.	N.D.	N.D.		N.D.	· . ·	N.D.	N.D.	N.D.	2350
Concord	Sample	19	18	8	. ·	8		3	9	5
Site 51	No •	1. A			•					
0100 01	Avg.	N.D.	N.D.		N.D.		N.D.	N.D.	22	2136
	Max.	7	42	:	N.D.		N.D.	4	50	3050
		N.D.	N.D.		N.D.			N.D.		N.D.
Sardinia	Sample	19	19	7		7		4	10	8
Site 48	No.	1 A.	· · ·	· · ·						
	Avg.	N.D.	22	· · ·	N.D.		N.D.	N.D.		1932
	Max.	14	38		N.D.		N.D.	N.D.	11	.6010
	Min.	N.D.	N.D.		N.D.		N.D.	N.D.	N.D.	N.D.
Nassau County	Sample	6	6	5.		5	• •	2	3	.
	No •	1. A.					1		in the second	
Cyster Bay	Avg.	N.D.	22		N.D.		N.D.	N.D.	7.2	-
Armstrong Dairy		N.D.	- 28		N.D.		N.D.	N.D.	7.3	-
	Min.	N.D.	N.D.	•				N.D.		
New York City	•	22	22	18	· · · ·	18		18	22	-
	No.				N 5	•	N D		0.0	
All Five Boroughs	Avg.	N.D.	N.D.		N.D.		N.D.	7.0	9.3	
	Max.	N.D.	33		N.D.		N.D.	9.0	14.9	
•	Min•	N.D.	N•D•	·	N.D.		N.D.	3.0	4.0	-
Onondaga County	Sample	9	9	.9		9		9	9	-
	No.	· · · ·		• •				·		
Geddes	Avg.	6	N.D.	*	N.D.		N.D.	N.D.	6.3	· ·
Marble Farm Dairy	Max.	6	23		N.D.	:	N.D.	11.D.	10.5	•
	Min.	. 6	N.D.		N.D.	÷	N.D.	N.D.	4.8	
			÷.,						• .	

Radioactivity Levels in Milk (Con't)

Result in pCi/liter

								•			·
Station - Location		I-131	C	s-137	Z	rNb-95	В	aLa-140	Sr-89.	Sr-90	Tritium
Orange County •	Sample	17	17	•	16		16	· · ·	- 14	10	······
<u></u>	No.	- ·			10	• •	10		16	18	
Newburgh	Avg.	N.D.		21		N D			·	. *	• • • •
Crowley's Milk	Max.	6		21		N.D.		N.D.	N.D.	8.5	· - · ·
Company	Min.	N.D.		37		N.D.		N.D.	10.3	13.4	-
company	MIII+	N•D•		N.D.		N.D.		N.D.	N.D.	5.3	-
St. Lawrence County	Sample	10	10		~			· · · · ·			
<u>Jui Dunience country</u>	No.	10	10		8	· · · · ·	8		8	9	-
Massena	Avg.	ND	•.	0.1			4.		1.	1	
Homestead Dairies	Max.	N.D.		31		N.D.		N.D.	N.D.	9.3	-
nomestead Dailles		N.D.		51		N.D.	•	N.D.	· 7	14.7	
	Min.	N.D.		N.D.	- 4.	N.D.		N.D.	N.D.	6.7	_
Suffolk County	Comp 1 o	2	2			•					· .
Burrork County	Sample No.	3	.3	· ·	3		3	•	-	-	-
Brookhaven		N D				· · · ·		•		· · · ·	
(Center Moriches)	Avg.	N.D.		38		N.D.	· ·	N.D.	-
Thee's Dairy	Max.	7		60	· ·	N.D.		N.D.	·-	÷	-
mee's Dairy	Min.	N.D.		N.D.	•	N.D.		N.D.	•	-	.
Yaplank	~ ,	•			· .		•		•	• • •	
•	Sample	3	. 3	· · ·	3		3		3	3	-
County Farm	No •							·			·. ·
	Avg.	N.D.		N.D.		N.D.		N.D.	N.D.	7.7	• • •
	Max.	10		N.D.		N.D.		N.D.	N.D.	9.6	
	Min.	N.D.		N.D.		N.D.		N.D.	N.D.	5.2	-
N+ Cii											
Mt. Sinai	Sample	2	2		2		2		-		- ' .
Randall Farm	No.	1990 - A.			. ·					· · · · · · · · · · · · · · · · · · ·	
	Avg.	N.D.		25		N.D.	•	N.D.	<u>, -</u>	_	
•	Max.	N.D.		35		N.D.	,	N.D.	_	· _	
•	Min.	N.D.		N.D.		N.D.		N.D.	-	-
•••				1. S. S.			÷.,				
Westchester County	Sample	4	3	•	· 🗕 .		3	12.0	2	2 .	
•••	No .					·		1	-	2	
Mt. Pleasant	Avg.	N.D.		20				N.D.	N.D.	5.1	1 <u></u>
Grasslands Farm	Max.	N.D.		23		••••		N.D.	N.D.	6.6	
	Min.	N.D.		N.D.		-	•	N.D.	N.D.		• •
	<u>`.</u>								N•D•	3.6	-
Yorktown	Sample	4	4		- 4	•	4		3	3 -	
Hanover Hill Farm	No.				•		· ·		5	ວ - ພ	
	Avg.	N.D.		N.D.	•	N.D.	•	N.D.	N.D.	6 0	
	Max.	9		31		N.D.		N.D.	•	6.8	· . – ·
· · ·	Min.	N.D.		N.D.		N.D.			N.D.	8.8	-
						IN • U •	•	N.D.	N.D.	5.0	-
								· · · · ·			

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Radioactivity Levels in Water

No. No. N.D. N	Station - Location	•	Cs	-137	Zr	Nb-95	Ba	La-140	Sr-89	Sr-90	Gr Be	oss ta	Tri	tium
Albany Avg. N.D.	Albany County		2		2		2	•	1	2	4	•	6	
State H-alth Dept. Laboratory Max. Min. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. AB00 N.D. Cohoes (Filtration plant) Mohawk River Sample Avg. Max. 6 6 6 6 6 5 2 Mohawk River Avg. Max. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D. 4 1570 Mohawk Cohoes (Raw Surface) Mohawk River Sample Avg. 4 4 - - 25 24 Max. N.D. N.D. N.D. N.D. N.D. N.D. 3 1120 Cohoes (Raw Surface) Mohawk River Avg. N.D. N.D. N.D. - - 4 2828 Max. N.D. N.D. N.D. N.D. - - 25 7200 Max. N.D. N.D. N.D. N.D. - - 19 - Muson River Sample 5 5 1 1 - - <td< td=""><td>Albany</td><td></td><td>]</td><td>N.D.</td><td></td><td>N.D.</td><td></td><td>N.D.</td><td>N.D.</td><td>N.D.</td><td>. '</td><td>3</td><td>-218</td><td>86</td></td<>	Albany]	N.D.		N.D.		N.D.	N.D.	N.D.	. '	3	-218	86
Laboratory Min. N.D. N.D. N.D. N.D. N.D. P.D. 2 1000 Cohoes (Filtration plant) Mohawk River Sample Avg. 6 6 6 6 6 5 2 Mohawk River Avg. N.D. N.D. N.D. N.D. N.D. N.D. N.D. 4 1570 Cohoes (Raw Surface) Sample Mohawk River Avg. N.D. N.D. N.D. N.D. N.D. A 1570 Mohawk River Avg. N.D. N.D. N.D. N.D. N.D. N.D. 3 1120 Cohoes (Raw Surface) Sample 7 Avg. N.D. N.D. N.D. N.D. N.D. N.D. N.D. Glenmont Hudson River Sample 5 5 1 1 4 - Matervliet French Mills Reservoir Sample 8 2 2 6 7 7 Matervliet Fox Valley Bridge Site 04 Sample 8 2 2 6 7		÷ .							18 T T T 1		· .			
(Filtration plant) Mohawk River No. Avg. Avg. N.D. Max. N.D. Min. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.									- .					
(Filtration plant) Mohawk River No. Avg. Avg. N.D. Max. N.D. Min. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	Cohoes	Sample	6		6		6		6	6	5		2	
Mohawk River Avg. Max. N.D. N.D. N.D.		. •									-			
Max. N.D. N.D. <th< td=""><td></td><td>Avg.</td><td>÷ 1</td><td>N.D.</td><td></td><td>N.D.</td><td>· . ·</td><td>N.D.</td><td>N.D.</td><td>N.D.</td><td></td><td>4</td><td>151</td><td>70</td></th<>		Avg.	÷ 1	N.D.		N.D.	· . ·	N.D.	N.D.	N.D.		4	151	70
Min. N.D. N.D. N.D. N.D. N.D. 3 1120 Cohoes (Raw Surface) Mohawk River Sample Avg. 4 4 4 - - 25 24 Mohawk River Avg. N.D. N.D. N.D. N.D. - - 4 2828 Max. N.D. N.D. N.D. N.D. - - 2 7200 Min. N.D. N.D. N.D. N.D. - - 2 7200 Min. N.D. N.D. N.D. N.D. - - 2 N.D. Glenmont Sample 7 7 7 - - 38 - Hudson River Sample 7 7 7 - - 38 - Mat. N.D. N.D. N.D. N.D. N.D. - - 5 - Mat. N.D. N.D. N.D. N.D.		-										6		
(Raw Surface) Mohawk River No. Max. Avg. N.D. N.D. N.D. - - 4 2828 Max. N.D. N.D. N.D. N.D. - - 25 7200 Min. N.D. N.D. N.D. N.D. - - 28 7200 Glenmont Sample 7 7 - - 38 - Hudson River No. N.D. N.D. N.D. - - 38 - Hudson River No. N.D. N.D. N.D. N.D. - - 5 - Max. N.D. N.D. N.D. N.D. - - 19 - Max. N.D. N.D. N.D. N.D. N.D. - - N.D. - Watervliet Sample 5 5 5 1 1 4 - French Mills No. N.D. N.D. N.D. N.D. N.D. - 4 -		Min.		N.D.		N.D.	0	N.D.	N.D.	N.D.	· .	3	112	20
(Raw Surface) Mohawk River No. Max. Avg. N.D. N.D. N.D. - - 4 2828 Max. N.D. N.D. N.D. N.D. - - 25 7200 Min. N.D. N.D. N.D. N.D. - - 28 7200 Glenmont Sample 7 7 - - 38 - Hudson River No. N.D. N.D. N.D. - - 38 - Hudson River No. N.D. N.D. N.D. N.D. - - 5 - Max. N.D. N.D. N.D. N.D. - - 19 - Max. N.D. N.D. N.D. N.D. N.D. - - N.D. - Watervliet Sample 5 5 5 1 1 4 - French Mills No. N.D. N.D. N.D. N.D. N.D. - 4 -	Cohoes	Sample	4		4	а Т.	4		_	-	25	. •	24	
Mohawk River Avg. Max. N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.		•										•		· . ·
Max. N.D. N.D. N.D. N.D. - - 25 7200 Min. N.D. N.D. N.D. N.D. - - 2 N.D. Glenmont Sample 7 7 7 - - 38 - Hudson River No. Avg. N.D. N.D. N.D. - - 19 - Max. N.D. N.D. N.D. N.D. - - 19 - Max. N.D. N.D. N.D. N.D. - - 19 - Max. N.D. N.D. N.D. N.D. - - N.D. - Watervliet Sample 5 5 1 1 4 - French Mills Avg. N.D. N.D. N.D. N.D. N.D. - - 5 - Max. N.D. N.D. N.D. N.D. N.D. N.D. - - 4 - Cattaraugus County Sam	Mohawk River	Avg.		N.D.	•	N.D.		N.D.		. 🗕		4	.282	28
Min. N.D. N.D. N.D. - - 2 N.D. Glenmont Hudson River Sample 7 7 7 - - 38 - Muson River No. N.D. N.D. N.D. N.D. - - 5 - Max. N.D. N.D. N.D. N.D. - - 19 - Watervliet Sample 5 5 1 1 4 - Watervliet Sample 5 5 5 1 1 4 - Watervliet Sample 5 5 5 1 1 4 - Watervliet Sample 8 0 N.D.					× •			N.D.	-	· -		25		
Hudson River No. No. N.D. N.D. N.D. N.D. N.D. - - 5 - Max. N.D. N.D. N.D. N.D. - - 19 - Watervliet Sample 5 5 1 1 4 - French Mills No. N.D. N.D. N.D. N.D. - - N.D. - Max. N.D. N.D. N.D. N.D. N.D. N.D. 4 - French Mills No. Avg. N.D. N.D. N.D. N.D. 4 - Max. N.D. N.D. N.D. N.D. N.D. - - 4 - Cattaraugus County Sample 8 2 2 2 6 7 7 Ashford Avg. N.D. N.D. N.D. N.D. N.D. 13 2900 Fox Valley Bridge Min. N.D. N.D. N.D. N.D. N.D. 3 N.D.		Min.			,	N.D.	х	N.D.	-	-				
Hudson River No. No. N.D. N.D. N.D. N.D. - - 5 - Max. N.D. N.D. N.D. N.D. N.D. - - 19 - Watervliet Sample 5 5 1 1 4 - Watervliet Sample 5 5 1 1 4 - Watervliet Sample 5 5 1 1 4 - French Mills No. N.D. N.D. N.D. N.D. N.D. 4 - Max. N.D. N.D. N.D. N.D. N.D. 4 - Max. N.D. N.D. N.D. N.D. N.D. - 4 - Gattaraugus County Sample 8 2 2 2 6 7 7 Ashford Avg. N.D. N.D. N.D. N.D. N.D. 13 2900 Site 04 Max N.D. N.D. N.D. N.D. <td>Glenmont</td> <td>Sample</td> <td>7</td> <td></td> <td>7</td> <td></td> <td>7</td> <td></td> <td>_</td> <td>÷ .</td> <td>38</td> <td></td> <td>_</td> <td>• •</td>	Glenmont	Sample	7		7		7		_	÷ .	38		_	• •
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Hudson River					:		· .		• • •			•	
Min. N.D. N.D. N.D. - - N.D. - Watervliet Sample 5 5 5 1 1 4 - French Mills No. N.D. N.D. N.D. N.D. N.D. 4 - Max. N.D. N.D. N.D. N.D. N.D. - - 5 - Min. N.D. N.D. N.D. N.D. - - 5 - Min. N.D. N.D. N.D. N.D. - - 4 - Cattaraugus County Sample 8 2 2 2 6 7 7 Mo. Ashford Avg. N.D. N.D. N.D. N.D. 13 2900 Fox Valley Bridge Min. N.D. N.D. N.D. N.D. N.D. 3 N.D. Site 04 Sample 17 12 12 4 11 10 11 Cattaraugus Creek at No. N.D. N.D.		Avg.		N.D.		N.D.		N.D.	-	-	· .	5	-	
Watervliet French Mills Reservoir Sample 5 5 5 1 1 4 - Mo. Avg. N.D. N.D. N.D. N.D. N.D. N.D. N.D. - - 5 -		Max.	· .]	N.D.		N.D.		N.D.	-	-		19	-	•
French Mills ReservoirNo.No.N.D.N.D.N.D.N.D.N.D.AMax.N.D.N.D.N.D.N.D.N.D5-Min.N.D.N.D.N.D.N.D4-Cattaraugus CountySample8222677No.N.D.N.D.N.D.N.D.N.D.N.D.61570Buttermilk Creek at Fox Valley Bridge Site 04MaxN.D.N.D.N.D.N.D.132900Ashford Cattaraugus Creek at Bigelow Bridge Site 07Sample1712124111011No.N.D.N.D.N.D.N.D.N.D.N.D.51860		Min.	. 1	N.D.		N.D.		N.D.	-	-	Ň	•D•	· •	1 4.
French Mills ReservoirNo.No.N.D.N.D.N.D.N.D.N.D.AAvg.N.D.N.D.N.D.N.D.N.D.N.D5-Min.N.D.N.D.N.D.N.D4-Cattaraugus CountySample8222677No.N.D.N.D.N.D.N.D.N.D.N.D.61570Buttermilk Creek at Fox Valley Bridge Site 04MaxN.D.N.D.N.D.N.D.132900Ashford Cattaraugus Creek at Bigelow Bridge Site 07Sample 1712124111011Site 07Max.50N.D.N.D.N.D.N.D.51860	Watervliet	Sample	5		5	• • •	5.		1	- 1	4		_	•
Max. N.D. N.D. N.D. N.D. - - 5 - Min. N.D. N.D. N.D. N.D. - - 4 - Cattaraugus County Sample 8 2 2 2 6 7 7 Ashford Avg. N.D. N.D. N.D. N.D. N.D. N.D. 6 1570 Buttermilk Creek at Max N.D. N.D. N.D. N.D. N.D. 13 2900 Fox Valley Bridge Min. N.D. N.D. N.D. N.D. N.D. 3 N.D. Site 04 Sample 17 12 12 4 11 10 11 Cattaraugus Creek at Sample 17 12 12 4 11 10 11 Cattaraugus Creek at Bigelow Bridge Avg. N.D. N.D. N.D. 5 1860 Site 07 Max. 50 N.D. N.D. N.D. 8 10 4500	French Mills		÷ .•			. •				•				
Min. N.D. N.D. N.D. N.D. - - 4 - Cattaraugus County Sample 8 2 2 2 6 7 7 Ashford Avg. N.D. N.D. N.D. N.D. N.D. N.D. 1570 Buttermilk Creek at Max N.D. N.D. N.D. N.D. N.D. 13 2900 Fox Valley Bridge Min. N.D. N.D. N.D. N.D. N.D. 13 2900 Site 04 Min. N.D. N.D. N.D. N.D. N.D. 3 N.D. Ashford Sample 17 12 12 4 11 10 11 Cattaraugus Creek at No. N.D. N.D. N.D. N.D. 5 1860 Site 07 Max. 50 N.D. N.D. N.D. 8 10 4500	Reservoir	Avg.	· j	N.D.		N.D.	1	N.D.	N.D.	N.D.		4	· -	
Cattaraugus CountySample8222677AshfordAvg.N.D.N.D.N.D.N.D.N.D.N.D.N.D.61570Buttermilk Creek atMaxN.D.N.D.N.D.N.D.N.D.N.D.132900Fox Valley BridgeMin.N.D.N.D.N.D.N.D.N.D.N.D.132900Site 04Sample1712124111011Cattaraugus Creek atNo.N.D.N.D.N.D.N.D.N.D.51860Site 07Max.50N.D.N.D.N.D.N.D.N.D.8104500		Max.		N.D.		N.D.		N.D.	-	-		5	•	
AshfordNo.N.D.N.D.N.D.N.D.N.D.N.D.N.D.61570Buttermilk Creek atMaxN.D.N.D.N.D.N.D.N.D.N.D.132900Fox Valley BridgeMin.N.D.N.D.N.D.N.D.N.D.N.D.132900Fox Valley BridgeMin.N.D.N.D.N.D.N.D.N.D.132900Site 04Sample 1712124111011Cattaraugus Creek atNo.N.D.N.D.N.D.N.D.N.D.51860Site 07Max.50N.D.N.D.N.D.N.D.8104500		Min.	i	N.D.		N.D.		N.D.	-	,		4		
AshfordAvg.N.D.N.D.N.D.N.D.N.D.N.D.61570Buttermilk Creek atMaxN.D.N.D.N.D.N.D.N.D.N.D.132900Fox Valley BridgeMin.N.D.N.D.N.D.N.D.N.D.N.D.132900Fox Valley BridgeMin.N.D.N.D.N.D.N.D.N.D.N.D.3N.D.Site 04Sample 1712124111011Cattaraugus Creek atNo.N.D.N.D.N.D.N.D.51860Bigelow BridgeAvg.N.D.N.D.N.D.N.D.51860Site 07Max.50N.D.N.D.N.D.8104500	<u>Cattaraugus</u> County		8		2		2		2	6	7		7	,
Buttermilk Creek at Fox Valley Bridge Site 04Max Min.N.D. N.D.N.D. N.	Ashford	•	· 1	N.D.		N.D.		N.D.	N.D.	N.D.		6	157	70
Fox Valley Bridge Site 04Min.N.D.N.D.N.D.N.D.N.D.N.D.3N.D.Site 04AshfordSample 1712124111011Cattaraugus Creek at Bigelow Bridge Site 07Avg.N.D.N.D.N.D.N.D.N.D.51860Nuble 07Max.50N.D.N.D.N.D.N.D.8104500	Buttermilk Creek at													
Site 04 Sample 17 12 12 4 11 10 11 Ashford Sample 17 12 12 4 11 10 11 Cattaraugus Creek at No. No. N.D. N.D. N.D. N.D. 5 1860 Bigelow Bridge Avg. N.D. N.D. N.D. N.D. 5 1860 Site 07 Max. 50 N.D. N.D. N.D. 8 10 4500	Fox Valley Bridge	Min.		N.D.		N.D.			· .					
Cattaraugus Creek atNo.Bigelow BridgeAvg.N.D.<	Site 04							•						
Cattaraugus Creek atNo.Bigelow BridgeAvg.N.D.<	Ashford	Sample	17	•	12		12	•	4	11	10		11	
Bigelow BridgeAvg.N.D.N.D.N.D.N.D.N.D.51860Site 07Max.50N.D.N.D.N.D.8104500			•			· · · · ·						•* •		
Site 07 Max. 50 N.D. N.D. N.D. 8 10 4500			· 1	N.D.		N.D.		N.D.	N.D.	N.D.		5	186	60
			1											

Radioactivity Levels in Water (Con't)

Result in pCi/liter

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Station - Location		Cs-137	ZrNb-95	BaLa-140	Sr-89	Sr-90	Gross Beta	Tritium
Ashford Buttermilk Creek at	Sample No.	23	2	2	4	28	42	37
Thomas Corners Rd.	Avg.	112	N.D.	N.D.	14	325	970	320,430
Site 35	Max.	506	N.D.	N.D.	51	1305	4668	1,452,000
	Min.	N.D.	N.D.	N.D.	N.D.	17	66	3,050
Nitchess County	Comple	.1	1 1	•		2 A. J. A. A. 	8	
Dutchess County	Sample No.	T				-	0	
Pawling	Avg.	N.D.	N.D.	N.D.		· · · · ·	3	-
United Nuclear	Max.	-	-	-	· •	_	5	
Corporation	Min.	· . ·	_					
Corporación	IAT T T T •	. –		ing an teach an			2	
Erie County	Sample	3	3	3		_	3	-
	No.	0	U	J			Ŭ	
Akron	Avg.	N.D.	N.D.	N.D.	-	·	7	
Murdia Creek	Max.	N.D.	N.D.	N.D.	-	_	8	_
MUIUIA CIGER	Min.	N.D.	N.D.	the second se	_	-	6	_
	MITLE	14.17.	11.0.	11.0.	. –	• •	0	
Brant	Sample	. .	-	e ^r	. · · ·	-	36	36
Cattaraugus Creek at	No.					* •	00	ŶŬ
Irving Bridge	Avg.	-	_	_	-	-	51	24,71
Site 65	Max.	_	_			_	112	82,67
3168 05	Min.	-	-		_		112	1,56
	IVI I I I •	. –		. –	. –		10	, 1 9 UC
Collins	Sample	-	-	-		-	40	39
Cattaraugus Creek at	No.							• /
Gowanda	Avg.		· _	· · •	_	_	52	21,51
Site 60	Max.	· _	_	_	_	_	157	100,95
5166.00	Min.		_	_			7	N.D.
	1VI 1 1 1 4						•	N•D•
Concord	Sample	40	39	38	12	`18	233	123
Cattaraugus Creek at	No.	40	57	50	12	10	200	120
Springville Power Dam	Avg.	N.D.	N.D.	N.D.	N.D.	24	95	30,73
Site 42	Max.	77	121	444	17	53	315	183,17
0106 42	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	. 8	1,70
	1v1 T 1 1 +	N•D•	((* <i>D</i> *	N•D•	N · U ·	N•D•	. 0	1,70
Jefferson County	Sample	-	-	-	• . •	1	- 1	
and the second s	No.					-	-	,
Cape Vincent	Avg.	· _				3	3	_
St. Lawrence River	Max.	-	-	, . 	1	-	-	÷
Dewrence WINET	Min.	· _	-	· _	-	-	•	-
	··· · · · · · · · · · · · · · · · · ·			÷				

Radioactivity Levels in Water (Con't)

				· ·			Gross	
Station - Location		Cs-137	ZrNb-95	BaLa-140	Sr-89	Sr-90	Beta	Tritiu
							· · ·	
Watertown	Sample	2	2	2	-	· . 1 ·	20	-
Black River	No•						· · ·	
	Avg.	N.D.	N.D.	N.D.	-	N.D.	4	
	Max.	N.D.	N.D.	N.D.	-	- .	13	•
	Min.	N.D.	N.D.	N.D.	-	_	N.D.	
						· · ·		
New York City	Sample	3	3	3	3	3	9	.
New TOTIC OICY	No.	.	U U			-		•
Dublie Water Supply		N.D.	N.D.	N.D.	N.D.	N.D.	3	_
Public Water Supply	Avg.	N.D.		N.D.	N.D.	N.D.	5	
	Max.		N.D.					
	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	1	
		·.	-	•			· · · ·	
Niagara County	Sample	, 2	2	2		-	8	-
	No 🖬							
Niagara Falls	Avg.	<u> </u>	N.D.	N.D.	. –	-	4	
West Branch	Max.	N.D.	N.D.	N.D.	-	_	6	••
Site 1	Min.	N.D.	N.D.	N.D.	· <u> </u>		N.D.	· · ·
· .								
Niagara Falls	Sample	2	2	2	·	· _ ·	3	-
East Branch	No.	-	• •	·		· · ·		
Site 2	Avg.	N.D.	N.D.	N.D.		-	4	
Site 2	Max.	N.D.	N.D.	N.D.			4	
*.						-	4	
	Min.	N.D.	N.D.	N.D.		-	4	
• • • • • •		•	· ·	•			~	
<u>Oneida County</u>	Sample	3	3	3	-	-	3	-
	No.							
Rome	Avg.	N.D.	N.D.	N.D.	~ .	· 🗕	3	
Fish Creek	Max.	N.D.	N.D.	N.D.		· _	4	· _
	Min.	N.D.	N.D.	N.D.	-	-	3	· -
· ·		• •			,			
Ontario County	Sample	4	4	4	4	6	6	-
ann an tha ann an tha	No.		· ·	·			1. A. A.	
Geneva	Avg.	N.D.	N.D.	N.D.	N.D.	N.D.	. 4	÷
Seneca Lake	Max.	N.D.	N.D.	N.D.	N.D.	N.D.	4	_
Seneca Lake	Min.	N.D.	N.D.	N.D.	N.D.	N.D.	3	_
	MTT11+	IN•D•	N • D •	N • D •	IN+D+	N•D•		. –
Conova	C						2	
Geneva	Sample	· ••		– *	. - :		3	-
Raw Water Taps at	No •			· · ·				
Geneva Pumping	Avg.		-	· •	-	· .	2	-
Station	Max.	-	-	-	÷.	-	4	
	Min.	••• 🗕	-	-	-	- '	N.D.	· · · ·

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Radioactivity Levels in Water (Con't) Result in pCi/liter

	•				· · · · · · · · · · · · · · · · · · ·	•	Gross	
Station - Location	<u> </u>	Cs-137	ZrNb-95	BaLa-140	Sr-89	Sr-90	Beta	Tritiur
		•	^	2			2	_
Drange County	Sample No.	2	2	2			2	
titebland Falls	Avg.	N.D.	N.D.	N.D.	-	_	4	-
Highland Falls Big Meadow Brook	Max.	N.D.	N.D.	N.D.	-	-	4	· · ·
BIG MEADOW BLOOK	Min.	N.D.	N.D.	N.D.	-	_	3	-
	MITH!				<u>,</u> 24	an a		· · · ·
Tuxedo	Sample	2	2	2	-	. -	9	-
Indian Kill	No.				· · · · ·	··		
11101011 11212	Avg.	N.D.	N.D.	N.D.	-	-	4	·. –
	Max.	N.D.	N.D.	N.D.	.		5	-
	Min.	N.D.	N.D.	. N.D.	-	-	2	· · · · -
	n in the second se	а. —					-	
swego County	Sample	_		-	-	-	4	-
	No.		· · ·					
Oswego	Avg.	-	- 1	-	-	-	2	-
City Hall Tap	Max.	· •	· · · · ·	-	-	-	4	
	Min.	-11 -		-		-	N.D.	-
			a :	_		0	5	
Oswego	Sample	3	3	3		2	5	
Lake Ontario	No.			ND		N.D.	3	· ·
	Avg.	N.D.	N.D.	N.D. N.D.		N.D.	4	
	Max.	N.D.	N.D.	N.D. N.D.	-	N.D.	N.D.	-
	Min.	N.D.	N.D.	IN • D •			M•D•	
0	Sample	_	_	_	-	1	1	-
Oswego Oswego River	No.			· ·	•		· · .	
OSwego River	Avg.	- <u>-</u>		-	.	N.D.	4	-
	Max.	_	` 	-	-	-	· . –	-
	Min.			· 	-	_	-	i e an
					· · · ·		· · · ·	
Saratoga County	Sample	· ·	·. – .	-	-	2	2	; - .
	No •	· · · · ·						
Waterford	Avg.	-	-	-	1 - 1	N.D.	1	-
Waterford Water	Max.	. '	-	-	-	N.D.	. 2	-
works	Min.		-	-	-	N.D.	N.D.	· · -
		· · ·			9			v.*
Schenectady County	Sample	12	12	12	-	-	40	-
***************************************	No •						• •	
Schenectady	Avg.	·N•D•	N.D.	N.D.		· · · · ·	3	-
General Electric Co.	Max.	• N•D•	N.D.	N.D.	-	-	6	. 🛥
(Mohawk River)	Min.	N.D.	N.D.	N.D.		· -	N.D.	· · ·

Radioactivity	Levels in	Water (Con't)

Result in pCi/liter

Station - Location		Cs-137	ZrNb-95	BaLa-140	Sr-89 ·	Sr-90	Gross Beta	Tritiun
			<u>ya anna ayaa a</u> a ayaa ayaa ahaa ahaa ah					
ompkins County .	Sample	. - 1	-	-	-	-	1	-
	No •				1. A. 19			
Lansing	Avg.	-	-	-	-		. 2	-
Drilled Well	Max.	-	-	-	-	-	· · ·	-
No. 1	Min.	-	· · ·	-	-	t 🚽	-	
D. K. Chivalit	Same la		_		_	_	1	
R. K. Shively Drilled Well	Sample No.	— : . ,		-	. –	-	-	
No. 2			_	···	_	_	N.D.	_
NO• Z	Avg. Max.	-	-	_	_	_	11+D+	_
	Max. Min.				· · · · <u>-</u> · · ·			_
	IVI I I I •		. –		ал — Сала — ала		·	·
Tracy Tobey	Sample	-	<u> </u>	·	-		1	-
Drilled Well	No.				· .			
No • 4	Avg.	-	-	-		-	- 1	-
	Max.	· . • •	-		-	-	·	· · · -
	Min.	-	-	-	en 🚊 💵	-		·
					e e de la companya d Reference de la companya de la company	1 - A	•	
G. E. Drilled Well	Sample	-	. –	-	-		1	-
No • 5	No •				· · ·			
	Avg.	-	-		-	: - .	1	. –
	Max.	-	- .	- ¹²	-	· · -	-	- '
	Min.	· · · • ·	.=	-	-		-	e te se 👼 se s
LaBarge Dug Well	Sample		· · · · · ·	· · · · ·	-	- 1	1.	· •
No. 7	No •	•	· · · · · · · · · · · · · · · · · · ·					
	Avg.	-	-			•	N.D.	· •
	Max.	· · · · ·	-		· · · · · · · · · · · · · · · · · · ·			-
•	Min.	· • .		-	-	• •	-	
Kohr's Well	Comple			•		? <u> </u>	- 1	:
	Sample	- .	-	-	- -	- 1	1 (J. 1997)	-
No. 13	No •		·	•			2	
	Avg.	· · ·	-	-		-	Ζ.	·
	Max.				-	•	-	-
•	Min.	-	~	• =	-	-	· •	-
lastabastan County	Samala	3	3	3			9	_
estchester County	Sample	J .	J	3			7	. – .
Peekskill	No. Avg.	N.D.	N.D.	N.D.		_	3	_
	Max.	N.D.	N.D.	N.D.	_	· · ·	· 8	-
Camp Field Filter Plant	Max. Min.	N.D.	N.D.	N.D.	-		N.D.	· _
FIGHU	NLT LI •	N • D •	-IN • U •	N • D •			14 • D •	·

Radioactivity Levels in Water (Con't)

			· .	· · ·			· · · · · · · · · · · · · · · · · · ·	
Station - Location		Cs-137	7-NH 05	Deteilo	0 00	0 00	Gross	-
	·····		ZrNb-95	BaLa-140	Sr-89	Sr-90	Beta	Tritium
				• • •	· · · · ·			
Hudson River	Sample	8	8	8	-		44	-
at Standard Brands	No.	•		•				
	Avg.	N.D.	N.D.	N.D.	-	- .	11	. · · • ·
	Max.	N.D.	N.D.	N.D.	··· -	-	31	-
	Min.	N.D.	N.D.	N•D•	- .	-	N.D.	-
Ossining Indian Brook	Sample	7	7	7	-	-	10	-
Reservoir	No .		ND	,				
Reservoir	Avg. Max.	N.D. N.D.	N.D.	N.D.	- 1	. 🗖 .	4	-
	Min.	N.D.	N.D. N.D.	N.D. N.D.	-		18	•
	141 1 1 •	N•D•	₩• <i>D</i> •	N•D•	-	• •	3	••••••
Hudson River	Sample	10	8	8	•	-	45	<u> </u>
at Sing Sing	No.	· •			· · · ·		•	
	Avg.	N.D.	N.D.	N.D.	-	-	21	*
	Max.	N.D.	N.D.	N.D.	-	-	50	
	Min.	N.D.	N.D.	N.D.	-	-	N.D.	
Yorktown	Comila	2	2	•		ан на 1919 г. – Салана 1919 г. – Салана Салана (с. 1919)	_	
Croton Reservoir	Sample No.	2	2	2	· -	-	7	
oro com neservori	Avg.	N.D.	N.D.	N.D.		•		
	Max.	N.D.	N.D.	N.D.	· · · ·	-	4	. –
	Min.	N.D.	N.D.	N.D.	_		2	-
						-	· 2	-
					. •	•	•	

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