

REPORT ON POLLUTION OF INTERSTATE WATERS OF THE BLACKSTONE & TEN MILE RIVERS— MASSACHUSETTS - RHODE ISLAND

(SECOND SESSION)



U.S. DEPARTMENT OF THE INTERIOR

FEDERAL WATER POLLUTION CONTROL ADMINISTRATION

**Northeast Region
Boston Mass.**

MAY 1968

REPORT ON
POLLUTION OF INTERSTATE WATERS OF
THE BLACKSTONE AND TEN MILE RIVERS
MASSACHUSETTS-RHODE ISLAND
(Second Session)

I. INTRODUCTION

On the basis of reports, surveys, or studies, the Secretary of Health, Education, and Welfare*, having reason to believe that pollution of the Blackstone and Ten Mile Rivers and their tributaries caused by discharges of untreated and inadequately treated sewage and industrial wastes in Massachusetts and Rhode Island was endangering the health or welfare of persons in these States, called a conference in the matter of pollution of the interstate waters of the Blackstone and Ten Mile Rivers and their tributaries (Massachusetts-Rhode Island). The conference was held on January 26, 1965, in Providence, Rhode Island.

This second session of the conference on the Blackstone and Ten Mile Rivers was called to consider progress made in abating pollution since the first session, to determine what additional steps may be necessary to protect these rivers, and to resolve discrepancies between the dates contained in the Water Quality Standards Implementation Plans and the first session of this enforcement conference.

II. SUMMARY OF THE FIRST CONFERENCE

Conferees representing the Massachusetts Department of Public Health, the Rhode Island Department of Health, the New England Interstate Water Pollution Control Commission, and the U. S. Department of Health, Education, and Welfare attended the first session of the conference. A report

*Reorganization has transferred the water pollution control activities from the Department of Health, Education, and Welfare, Public Health Service, to the Department of the Interior, Federal Water Pollution Control Administration.

was presented on the Blackstone and Ten Mile Rivers and their tributaries (Massachusetts-Rhode Island) which specifically covered the sources of pollution, the types of wastes discharged, and the interferences with water uses.

In the light of conference discussions the following conclusions were reached and recommendations made:

1. The conferees agreed that both the Blackstone River and the Ten Mile River are interstate streams within the meaning of the Federal Water Pollution Control Act.

2. It is the position of the Federal conferee that interstate pollution of the Blackstone River and Ten Mile River subject to abatement under the Federal Water Pollution Control Act is occurring. The Federal report indicates that during the period of survey (March and August 1964) waste discharges from municipalities and industries in Massachusetts and Rhode Island caused deterioration of water quality of the interstate waters of the Blackstone and Ten Mile Rivers so as to interfere with the use of these waters for recreation and fishing, create a condition which constitutes a health hazard for water contact sports, and create an offensive appearance and unpleasant odors.

3. The conferee representing the State of Massachusetts stated that waste discharges affect the water quality of the Blackstone and Ten Mile Rivers but these discharges do not create a condition which endangers health or welfare of persons in another State.

4. The Rhode Island conferee stated that the Federal report shows conditions which no longer exist. The Federal conferee stated that the Blackstone and Ten Mile Rivers should be substantially improved because of treatment facilities put in operation after the Federal survey but that interstate pollution subject to abatement under the Federal Water Pollution Control Act still is occurring.

5. The conferees agreed that remedial measures adequate to abate the existing pollution have not been installed. The delays in taking appropriate remedial measures are caused by municipalities and industries not meeting the pollution abatement requirements of both States.

6. At the time of the Federal survey, the Blackstone and Ten Mile Rivers in the region of the Massachusetts-Rhode Island State Line were considered Class D on the basis of their existing water quality, but the States of Massachusetts and Rhode Island and the New England Interstate Water Pollution Control Commission have classified these waters as Class C for future highest use. Both States have initiated an abatement program to put this classification into effect. Class C* waters are suitable for recreational boating, irrigation of crops not used for consumption without cooking, habitat for wildlife and common food and game fishes indigenous to the region, industrial cooling, and most industrial process uses. Class D* waters are suitable for transportation of sewage and industrial wastes without nuisance and for power, navigation, and certain industrial uses.

*These classifications have been redefined since the first session of the conference.

7. The Federal conferee acknowledged the cooperation of Massachusetts and Rhode Island in obtaining information on the Blackstone and Ten Mile Rivers and making it available to the Federal agencies.

8. The Massachusetts conferee presented a pollution abatement program to achieve Class C water quality.

9. The Rhode Island conferee presented a pollution abatement program to achieve Class C water quality.

10. The Federal conferee recommended that the schedules of Massachusetts and Rhode Island be expanded to include terminal dates for construction. It is the Federal position that the Regional Office be advised upon completion of the various engineering studies and preliminary planning, that a schedule for construction be completed within 90 days after the completion of the studies and preliminary planning, and that all pollution abatement measures be completed by January 1, 1969.

11. It is the position of the Massachusetts and Rhode Island conferees that no final completion dates be set for construction, as this will delay the construction.

12. The conferees unanimously agreed to prepare a report every six months on the status of pollution abatement programs in the conference area, and they further agreed to prepare a report on the next phase of construction plans within three months after the final reports on the first phase are completed.

13. The conferees unanimously recommended that any remedial work be done as early as practicable.

III. AREA

The Blackstone River begins in the southern part of Worcester, Massachusetts, and flows in a southeasterly direction for 42 miles to Pawtucket, Rhode Island, then southerly for 7 miles to the beginning of the Seekonk River. Principal tributaries include the Mumford and West Rivers from Massachusetts and the Branch River from Rhode Island. The Ten Mile River begins in Plainville, Massachusetts, and follows an irregular, but generally southerly, course for a distance of 21 miles where it, too, joins the Seekonk River in Rhode Island.

The crystal clear headwaters of the Blackstone River are impounded by a series of dams which form reservoirs that furnish the water supply for the City of Worcester. Below Worcester, however, the Blackstone receives sanitary wastes, as well as wastes arising from such industrial operations as wool scouring, wool dyeing and finishing, pickling liquors, rubber processing, and paper coating, resulting in degradation of the river.

The Branch River, the largest tributary in the Blackstone River Basin, receives industrial wastes and sewage from plant employees in Rhode Island. The Mumford River receives sewage and industrial wastes in the reach between Sutton, Massachusetts, and Uxbridge, Massachusetts, and the West River receives industrial wastes and sewage from plant employees in Massachusetts. The Ten Mile River receives municipal wastes, as well as plating, pickling, chemical, and textile wastes.

IV. SOURCES OF WASTES

Table 1 lists the status of water pollution abatement programs for the municipalities and industries discharging domestic wastes to the portions of the Blackstone and Ten Mile River Basins included in this conference for both Massachusetts and Rhode Island. The water classifications in these charts are those taken from the Water Quality Standards submission from the respective States. This listing has been modified from that of the first session by the addition of new sources of pollution and by the deletion of those previous sources that have either been eliminated by connection to a municipal or regional treatment facility or whose discharges were from private dwellings which constituted an insignificant contribution to the pollution of the waters.

Table 2 has similarly been modified since the last session and contains the industrial wastes discharged to the Blackstone in both Massachusetts and Rhode Island. There are a number of jurisdictions listed for which the schedule shown indicates corrective measures should have been completed. However, data confirming the completion of the corrective measures have not been received.

Table 3 lists industrial waste discharges to the portion of the Ten Mile River Basin included in this conference.

Examination of the tables shows that for the majority of the sources of pollution the time schedules contained in the Water Quality Standards submitted by the States are later than the dates recommended in the April 7, 1965, letter to the States from the Secretary of Health, Education, and Welfare. It appears that most polluters will not meet the

compliance schedule that resulted from the first session of the enforcement conference. In general, the dates proposed in the Water Quality Standards are six to twenty-four months later.

It should be noted that there is one industry located in Pawtucket, Rhode Island, that is discharging its wastes to the Massachusetts portion of the Ten Mile River. It has been indicated by the Rhode Island Division of Water Pollution Control that this discharge is beyond their authority due to the out-of-State discharge. This discharge was not contained in the Massachusetts Water Quality Standards, nor was the plant listed as a source of pollution in the Rhode Island Water Quality Standards.

V. WATER USES

The Blackstone and Ten Mile Rivers are used principally for industrial water supply, recreation, power production, and waste disposal.

Industrial Water Supply

The Blackstone and Ten Mile Rivers provide process water to industry and are used for cooling, water power, and fire protection.

Fishing

The Blackstone River once supported a notable run of American Shad that was destroyed by the construction of dams. Presently, all fishery pursuits are severely limited by pollution. The main stem is practically uninhabitable for fish. A few fish, mostly carp and suckers, are taken from the river. When pollution is abated, the Blackstone River will be repopulated naturally by warm-water species of fish. Because of pollution there are no known plans to develop a fishery. Trout, which are

stocked in Lake Quinsigamond during the spring of each year, provide sport fishing for about 30 days after the fish are released. Fisherville Pond near Fisherville, Massachusetts, is also reported to provide fishing.

The Ten Mile River is stocked with about 800 brook trout at Plainville, Massachusetts, during the spring of each year. Below this point the river is considered too polluted to be stocked. The condition of the water is such that, in all probability, a game fish population could not be supported. When pollution is abated, there is a distinct probability that warm-water species will repopulate naturally without restocking.

In both the Blackstone and Ten Mile Rivers, a suitable warm-water fish population would develop if gross pollution did not exist.

Seining of golden shiners for bait fish is carried out on the Blackstone River from Woonsocket to Pawtucket, Rhode Island.

Other Recreational Pursuits

Some canoeing activity is reported for the Blackstone River. However, physical difficulties are present that require many portages.

Lake Quinsigamond and other nearby ponds are used for boating, swimming, water skiing, and other water contact sports. Where there is suitable water, some of the people who live near the stream and some who visit the river to enjoy being near water will swim on an unorganized basis.

Hydropower

The Blackstone and Ten Mile Rivers have been used for power purposes since shortly after settlement began. Thirteen hydroelectric plants on the Blackstone River use 200 feet of the total fall of 439 feet and have a total installed capacity of 6,500 kilowatts.

VI. RECOMMENDATIONS

It is recommended:

1. That the dates proposed by the respective States in their Water Quality Standards Implementation Plans be adopted as the compliance dates for the enforcement conference.

2. That for those industries or municipalities not listed in the Water Quality Standards a series of dates be established by the conferees which will be commensurate with those for surrounding municipalities and industries.

3. That for the industry located in Rhode Island and discharging in Massachusetts, the conferees establish a schedule for this industry to tie to the Pawtucket sewerage system at the earliest possible date but no later than January 1, 1969, and that the conferee from Rhode Island specify the pretreatment, if any, required prior to the tie-in.

TABLE 1
STATUS OF WATER POLLUTION
ABATEMENT PROGRAM
BLACKSTONE AND TEN MILE RIVERS

MUNICIPAL WASTES	PRESENT		STATE RECOMMENDATION IN WATER QUALITY STANDARDS			TIME SCHEDULE IN WATER QUALITY STANDARDS					CONFERENCE RECOMMENDED DATES*		REMARKS
	TREAT- MENT	WATER CLASSIFI- CATION	TREAT- MENT	WATER CLASSIFI- CATION	COMPLETE PRELIMINARY REPORT	APPROPRI- ATION OF FUNDS	ACQUISI- TION OF SITE	COMPLETE FINAL PLANS	START CONSTRUC- TION	COMPLETE CONSTRUC- TION	PRELIMIN- ARY REPORT	PLANT OPERA-- TION	
<u>Massachusetts</u>													
Blackstone & Ten Mile Rivers													
Worcester													
Project #1	Secondary	U	Secondary	D	Complete	9/68	Own	3/70	6/70	6/72	7/66	1/69	Expansion of Plant Additional Interceptors To Tie to Worcester Sewage Treatment Plant
Project #2	-	U	-	D	-	-	-	3/72	5/72	5/73	-	-	
Auburn	None	U	Secondary	C	Complete	9/67	Own	10/68	3/69	3/70	-	-	
Millbury	None	U	Secondary	D	Complete	3/67	Own	Complete	4/68	4/69	Complete	1/69	
Grafton													
Project #1	None	D	Secondary	B	Complete	10/67	11/67	2/69	4/69	1/71	Complete	1/69	On Quinsigamond River
Project #2	-	D	Interceptor	B	-	-	-	2/70	4/70	4/72	-	-	
Northbridge	Inadequate Secondary	D	Secondary	C	-	-	-	-	-	-	Complete	1/69	Required Plant Improve. On Mumford River
Douglas	None	D	Secondary	B	4/68	6/68	7/68	4/69	7/69	7/70	-	-	
Uxbridge	None	D	Secondary	C	4/68	6/68	7/68	4/69	7/69	7/70	2/66	1/69	Adequate individual Subsurface Disposal Required
Millville	None	D		C	-	-	-	-	-	-	-	1/69	
Blackstone	None	D	Secondary	C	Complete	11/67	3/68	7/69	9/69	9/70	2/66	1/69	
Plainville	Inadeq. Indiv. Subsurface	C	Secondary	B	3/68	5/68	7/68	9/65	3/69	3/70	3/66	1/69	To Tie to N.Attleboro Sewage Treatment Plant
N.Attleboro	Secondary	C	Secondary	B	-	-	-	-	-	-	6/65	1/69	Present Treatment Con- sidered Adequate
Attleboro	Secondary	C	Secondary	C	-	-	-	-	-	-	-	1/69	Present Treatment Con- sidered Adequate

*Recommendations made in the Secretary's letter of April 7, 1965.

TABLE 1 (continued)

MUNICIPAL WASTES	PRESENT		STATE RECOMMENDATION IN WATER QUALITY STANDARDS			TIME SCHEDULE IN WATER QUALITY STANDARDS					CONFERENCE RECOMMENDED DATES *		REMARKS	
	TREAT- MENT	WATER CLASSIFIC- ATION	TREAT- MENT	WATER CLASSIFI- CATION	COMPLETE PRELIMINARY REPORT	APPROPRI- ATION OF FUNDS	ACQUISI- TION OF SITE	COMPLETE FINAL PLANS	START CONSTRUC- TION	COMPLETE CONSTRUC- TION	PRELIMIN- ARY REPORT	PLANT OPERA- TION		
<u>Rhode Island</u>														
<u>Blackstone River</u>														
Woonsocket	Prim/Sec	E	Rehabilitate to Secondary		C	6/68	5/69	-	7/70	12/70	7/72	3/66	1/69	Rehabilitate to Secondary
Cumberland	Private Discharges	E	Secondary	C	-	-	-	6/67	11/67	5/69	Complete	1/69	Tie To Blackstone Valley Sewer District	
Manville (Lincoln)	None	E	Secondary	C	1/68	6/68	-	5/69	9/69	9/70	Complete	1/69		
Albion (Lincoln)	None	E	Secondary	C	1/68	6/69	-	4/70	11/70	11/71	Complete	1/69	Tie To Blackstone Valley Sewer District	
Lonsdale (Cumberland)	None	C	Secondary	C	-	-	-	8/67	1/68	7/69	-	-	Tie to Blackstone Valley Sewer District	

*Recommendations made in Secretary's letter of April 7, 1965.

TABLE 2
STATUS OF WATER POLLUTION
ABATEMENT PROGRAM
BLACKSTONE RIVER

			PRESENT		STATE RECOMMENDATION IN WATER QUALITY STANDARDS		TIME SCHEDULE IN WATER QUALITY STANDARDS				CONFERENCE RECOMMENDED DATES*		
INDUSTRIAL WASTES	INDUSTRY	TYPE WASTE	TREAT- MENT	WATER CLASSIFI- CATION	TREAT- MENT	WATER CLASSIFI- CATION	COMPLETE PRELIMINARY REPORT	COMPLETE FINAL PLANS	START CONSTRUC- TION	COMPLETE CONSTRUC- TION	PRELIMIN- ARY REPORT	PLANT OPERA- TION	REMARKS
<u>Massachusetts</u>													
Millbury	Felters Co.	Textile	None	U	Pre-Treat	D	Complete	1/68	4/68	4/69	1/66	1/69	Pre-treat, Tie to Municipal
"	A.D. Windle	Wool											Tie to Municipal, Now
"	Company	Scouring	None	U	Secondary	D	3/68	9/68	10/68	10/69	1/66	1/69	Discharge to Wool Shop Pond
"	W.W. Windle	"	None	U	Secondary	D	3/68	9/68	10/68	10/69	1/66	1/69	Tie to Municipal
"	N.E. High												
Sutton	Carbon Wire	Metal	None	U	Pre-treat	D	3/68	9/68	10/68	10/69	-	-	Pre-treat, Tie to Municipal
	Snider Bros.	Meat	None	D	Secondary	D	6/68	2/69	4/69	10/69	10/65	1/69	
	Inc.	Packing											
Grafton	J.J. O'Donnell	Textile	None	D	Pre-treat	B	4/68	2/69	4/69	4/70	1/66	1/69	On Quinsigamond, Pre-treat,
	Woolen, Inc.												Tie to Municipal
Northbridge	Kupfer Bros.	Paper	None	D	Pumping to	C	-	2/68	3/68	4/68	1/66	1/69	To Municipal
		Coating			Secondary								
"	Hayward	Printing										1/69	
	Woolen Co.	Wool dyeing											
Douglas	Hayward-	Finishing	None	D	Secondary	B	4/68	4/69	7/69	7/70	4/66	1/69	Discharge to Mumford River
	Schuster	Wool Dyeing											
	Woolen Mills	Finishing											
Uxbridge	Stanley	Wool Dyeing	None	D	Secondary	C	4/68	4/69	7/69	7/70	2/66	1/69	Tie to Municipal
	Woolen Co.	Finishing											
"	Emile Bernat	Wool Dyeing	None	D	Secondary	B	4/68	4/69	7/69	7/70	2/66	1/69	On Mumford River, Tie to
	& Sons Co.	Finishing											Municipal

* Recommendations made in the Secretary's letter of April 7, 1965.

TABLE 2 (continued)

			PRESENT		STATE RECOMMENDATION IN WATER QUALITY STANDARDS		TIME SCHEDULE IN		WATER QUALITY STANDARDS		CONFERENCE RECOMMENDED DATES *		
INDUSTRIAL WASTES	INDUSTRY	TYPE WASTE	TREAT- MENT	WATER CLASSIFI- CATION	TREAT- MENT	WATER CLASSIFI- CATION	COMPLETE PRELIMIN- ARY REPORT	COMPLETE FINAL PLANS	START CONSTRUC- TION	COMPLETE CONSTRUC- TION	PRELIMIN- ARY REPORT	PLANT OPERA- TION	REMARKS
<u>Massachusetts</u>													
Uxbridge	Waucantuck Mills	Wool Dyeing Finishing	None	D	Secondary	C	4/69	4/69	7/69	7/70	2/66	1/69	Discharge to West River, Tie to Municipal
Millville	Blackstone Wool Co.	Scouring	None	D	Equiv. To Secondary	C	6/68	6/69	9/69	9/70	9/65	1/69	
Blackstone	Blackstone Potato Chip Company	Potato Process	None	D	Pre-treat	C	-	7/69	9/69	9/70	2/66	1/69	Pre-treat, Tie to Municipal
"	W&S Laundry	Laundry Wastes	None	D	Secondary	C	-	7/69	9/69	9/70	2/66	1/69	Tie to Municipal
<u>Rhode Island</u>													
N.Smithfield	Industrial Park	Mixed	Secondary	D	Secondary	C	-	-	-	-	-	-	Discharges to Branch River, No Change
Forestdale (N.Smithfield)	Stamina Mills	Wool Finishing	None	D	Lagoons	C	7/67	3/68	6/68	12/69	3/66	1/69	Discharges to Branch River, Lagoons to Remove 85% BOD
Branch (N.Smithfield)	Branch River	Wool Finishing	Lagoons	D	Improve Lagoons	C	10/67	3/68	6/68	12/69	3/66	1/69	Prev. Discharge to Branch R. Claim no Further Discharge Due to Evap. from Lagoons. Tie to Municipal
Woonsocket	Ten Textile Industries	Textile	None	E	Secondary	C	-	-	-	1/68	3/66	1/69	
Manville (Lincoln)	Wool Finishing Plant	Wool Finishing	Lagoon	E	Secondary	C	-	-	-	9/70	3/66	1/69	Tie to Municipal
Central Falls	Glass Mfg.	Silicates	Coagul. & Neut.	C	Coagul. & Neut.	C	-	-	-	-	-	-	No Change

* Recommendations made in Secretary's letter of April 7, 1965.

TABLE 3
STATUS OF WATER POLLUTION
ABATEMENT PROGRAM
TEN MILE RIVER

			PRESENT		STATE RECOMMENDATION IN WATER QUALITY STANDARDS		TIME SCHEDULE IN WATER QUALITY STANDARDS				CONFERENCE RECOMMENDED DATES *			
INDUSTRIAL WASTES	INDUSTRY	TYPE WASTE	TREAT- MENT	WATER CLASSIFI- CATION	TREAT- MENT	WATER CLASSIFI- CATION	COMPLETE PRELIMIN- ARY REPORT	COMPLETE FINAL PLANS	START CONSTRUC- TION	COMPLETE CONSTRUC- TION	PRELIMIN- ARY REPORT	PLANT OPERA- TION	REMARKS	
<u>Massachusetts</u>														
Plainville	Whiting & Davis	Plating	None	C	Pre-treat	B	3/68	9/68	12/68	6/69	1/66	1/69	Pre-treat, tie to Municipal	
"	Plainville Stock Co.	Plating	None	C	"	B	"	"	"	"	"	"	"	
"	A&J Tool & Finding Co.	"	Nons	C	"	B	"	"	"	"	"	"	"	
N.Attleboro	L.G.Balfour Corp.	Inorganic	None	C	"	B	"	"	"	"	"	"	"	
"	C.Ray Randall Mfg.Co.	"	"	C	"	B	"	"	"	"	"	"	"	
"	Oscar A. Hillman & Sons	"	"	C	"	B	"	"	"	"	"	"	"	
"	Cheever, Tweedy & Co.	"	"	C	"	B	"	"	"	"	"	"	"	
"	V.N.Blackington	"	"	C	"	B	"	"	"	"	"	"	"	
"	STD.Metals, Inc.	"	"	C	"	B	3/68	9/68	12/68	6/69	1/66	1/69	"	
"	R.Blackington & Co.	"	"	C	"	B	"	"	"	"	"	"	"	
"	L.S.Peterson Co."	"	"	C	"	B	"	"	"	"	"	"	"	
"	Plante Fontaine & Sons	"	"	C	"	B	"	"	"	"	"	"	"	
"	General Chain Co.	"	"	C	"	B	"	"	"	"	"	"	"	
"	Quaker Silver	"	"	C	"	B	"	"	"	"	"	"	"	
"	C.K.Grouse	"	"	C	"	B	"	"	"	"	"	"	"	

*Recommendations made in Secretary's letter of April 7, 1965.

TABLE 3 (Continued)

INDUSTRIAL WASTES	INDUSTRY	TYPE WASTE	PRESENT	STATE RECOMMENDATIONS IN WATER QUALITY STANDARDS				TIME SCHEDULE IN WATER QUALITY STANDARDS			CONFERENCE RECOMMENDED DATES *		REMARKS	
			TREAT- MENT	WATER CLASSIFI- CATION	TREAT- MENT	WATER CLASSIFI- CATION	COMPLETE PRELIMIN- ARY REPORT	COMPLETE FINAL PLANS	START CONSTRUC- TION	COMPLETE CONSTRUC- TION	PRELIMIN- ARY REPORT	PLANT OPERA- TION		
<u>Massachusetts</u>														
Attleboro	Dodgeville	Textile	None	D	Pre-treat	C	3/68	9/68	12/68	6/69	1/66	1/69	Pre-treat,Tie to Municipal	
"	Finishing Co.													
"	Thompson	Chemical	"	D	"	C	Complete	"	"	"	"	"	"	"
"	Chemical Co.													
"	Shields, Inc.	Inorganic	"	D	"	C	"	"	"	"	"	"	"	"
"	Sweet Mfg.Co.	"	"	D	"	C	"	"	"	"	"	"	"	"
"	Marathon Co.	"	"	D	"	C	3/68	"	"	"	"	"	"	"
"	Robbins Co.	"	"	D	"	C	"	"	"	"	"	"	"	"
"	Chas.Thomas	"	"	D	"	C	"	"	"	"	"	"	"	"
"	& Sons													
"	Antaya Bros.	"	"	D	"	C	"	"	"	"	"	"	"	"
"	Bates & Klinke	"	"	D	"	C	"	"	"	"	"	"	"	"
"	G.Ed.Cameron	"	"	D	"	C	"	"	"	"	"	"	"	"
"	& Son													
"	Attleboro	"	"	D	"	C	"	"	"	"	"	"	"	"
"	Electro-Plate													
"	Leavens Mfg.Co.	"	"	D	"	C	"	"	"	"	"	"	"	"
"	APCO Mussberg	"	"	D	"	C	"	"	"	"	"	"	"	"
"	Co.													
"	Metal & Controls	"	"	D	"	C	Complete	"	"	"	"	"	"	"
"	Corporation													
"	Walton & Lonsbury	"	"	D	"	C	3/68	"	"	"	"	"	"	"
"	Mossberg Pressed	"	"	D	"	C	"	"	"	"	"	"	"	"
"	Steel													
Attleboro	Mt.Vernon Silver	"	"	D	"	C	3/68	9/68	12/68	6/69	1/66	1/69	Pre-treat,Tie to Municipal	
"	R.F.Simmon Co.	"	"	D	"	C	"	"	"	"	"	"	"	"
"	Ripley &Gowan	"	"	D	"	C	"	"	"	"	"	"	"	"

*Recommendations made in Secretary's letter of April 7, 1965.

TABLE 3 (continued)

INDUSTRIAL WASTES	INDUSTRY	TYPE WASTE	PRESENT TREAT- MENT	PRESENT		STATE RECOMMENDATIONS IN WATER QUALITY STANDARDS		TIME SCHEDULE IN WATER QUALITY STANDARDS				CONFERENCE RECOMMENDED DATES *		REMARKS
				WATER CLASSIFI- CATION	TREAT- MENT	WATER CLASSIFI- CATION	COMPLETE PRELIMIN- ARY REPORT	COMPLETE FINAL PLANS	START CONSTRUC- TION	COMPLETE CONSTRUC- TION	PRELIMIN- ARY REPORT	PLANT OPERA- TION		
<u>Massachusetts</u>														
Attleboro	L.G.Balfour Commercial Co.	Inorganic	None	D	Pre-treat	C	3/68	9/68	12/68	6/69	1/66	1/69	Pre-treat, Tie to Municipal	
"	Swank, Inc.	"	"	D	"	C	"	"	"	"	"	"	"	"
Seekonk	Attleboro Dyeing & Fin. Company	Textile	Lagoons	D	To be Determined	C	-	-	-	-	1/66	1/69	"	
<u>Rhode Island</u>														
Pawtucket	Pawtucket Dyeing & Bleaching Co.	Textile	None	E	Secondary	C	-	-	-	-	3/66	1/69	Plant in Rhode Island Discharge in Massachusetts	

*Recommendations made in Secretary's letter of April 7, 1965.