NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM

(NPDES)

Directory of Permit Applications

filed with

The United States Environmental Protection Agency

and

The Commonwealth of Massachusetts
Executive Office of Environmental Affairs
Department of Environmental Protection

TABLE OF CONTENTS

1. Listing of active NPDES Permits/Description of Activity/Receiving Waters

2. NPDES Defintions and monitoring explanations

3. EPA Communications

4. NPDES Summary Sheet, blank forms

5. Listing of Permit Holders - and filing classifications

6. Individual Permit Applications listed by filing classifications (see "5")

7. DFWELE/Riverways Programs - NPDES explanations

ACTIVE NPDES SITES DISCHARGING TO BUZZARDS BAY OR ITS TRIBUTARIES

FACILITYNAME	DESCRIPTION	RECEIVINGWATERS
Glen Petroleum Corp	Petroleum Products	Acushnet River
996-8271 (if this is GlenPark Oil Co. - On the New Bedord-Fairhaven Bridge, Route 6, New Bedford		
Teledyne-Rodney Metals	Blast Furnaces and Steel Mills	Acushnet River
996-5691 East Rodney French Boulevard, Clarks Point		
Aerovox Corporation	Electronic Capacitors	Acushnet River
994-9661 742 Bellville Avenue, New Bedford, South of 195, on the Acushnet River		
Acushnet Co-Rubber Div-Plant	Fabric. Rubber Poducts	Acushnet River
997-2811 700 Bellville Avenue, New Bedford, South of 195 on the Acushnet River		
Cornell-Dublier Electric Corp.	Electronic Capacitors	Acushnet River
996-8561 1605 Rodney French Boulevard, Clarks Point (they don't state East or West so this could be on the point of Clarks Point)		
Revere Copper Products, Inc.	Plating and Polishing	Acushnet River
999-5601 24 N. Front Street, New Bedford NE of State Pier, South of Route 6???		
Maritime Terminal, Inc.	Refridgerated Warehousing	Acushnet River
996-8507 Whaler's Wharf, New Bedford		
Acushnet Co-Titleist Golf Div.	Sporting & Athletic Goods	Acushnet River
997-2811 700 Belleville Avenue, New Bedford, South of 195 on Acushnet River		
Acushnet Capacitor (not listed in phone book)	Electronic Capacitors	Acushnet River
Skipper Motor Inn, Inc.	Amusement & Recreation	Acushnet River
997-1281 (Fairhaven Bridge)		
John Dugan Buick-Pontiac, Inc.	New & Used Car Dealers	Acushnet River
999-3300 121 Alden Road, Fairhaven, bisects 6 and 195		
Acushnet Nursing, Inc.	Skilled Nursing Care Facilities	Acushnet River
995-1857 127 S. Main Street, Acushnet, North of 195		
Tilcon Massachusetts, Inc.	Crushed & Broken Stone	Acushnet River
992-3542 72 S. Main Street, Acushnet, North of 195		
Fairhaven Wat. Pol. Cont. Fac.	Sewerage Systems	Acushnet River
New Bedford WTP	Sewerage Systems	Acushnet River
Shawmut Avenue Landfill	Refuse Systems	Appogansett Swamp
Marion, Town of	Sewerage Systems	Aucoot Cove
Lobster Trap Company	Fresh or Frozen Packaged Fish	Back River
59-7600 Shore Road, Bourne (at the mouth of Back River)		

Dartmouth WPCF	Sewerage Systems	Buzzards Bay
Goodyear Tire & Rubber Co.	Tires and Inner Tubes	Clarks Cove
994-9603 Orchard Street (I can't seem to locate street)		
Isotronics, Inc.	Semiconductors & Related Dev.	Municipal Storm Drain
998-2000 125 Barnet Blvd, New Bedford		
Commonwealth Electric-Cannon (????)	Electric Services	New Bedford Harbor
Don Adams Oil Company	Fuel Oil Dealers	Slocums River
994-5236 400 Myrtle Street, New Bedford		
Wareham WTF	Sewerage Systems	Subsurface percolation
Tremont Nail Company	Steel Wire & Related Products	Wankinco River
295-0038 8 Elm Street, Wareham (off Rt. 28 near 195)		
Franconia Fuel Co., Inc.	Plumbing/Hydronic Heat Supply	Wareham River
295-0039 379 Main Street, Wareham		
Lincoln Park Incorporated (out of business)	Amusement Parks	Westport River, E.Br.

Table 4. Toxic contamination monitoring.

NPDES

Table 4. Toxic Contamination Monitoring

Monitoring Code: M = Mitigation T = Trend R = Research

Questions	Code	Observations	By	Methods	Annualized Est. Cost
1) Do management actions decrease oil inputs from spills? A) Catastrophic B) Chronic	M,T	A) Document catastrophic spills. B) Monitor petroleum residues in effluent discharges and sediments once a year.	EPA, NOAA, DWPC	A) Sediment sampling. B) Sediment sampling and evaluation of NPDES permits.	A) In place B) 50K
2) Do management actions reduce contributions of toxic substances to the bay from NPDES discharges?	M,T	Evaluate new technologies employed for reduction. Annual monitoring.	DWPC, Municipal officials	Maintenance & monitoring industrial discharges relative to NPDES permits.	35K
3) Do management actions reduce discharges of toxic substances from sewage treatment plants (STP's) and other permitted sources?	M,T	Sampling effluent waters & associated sediments annually.	DWPC	Comparison of water and sediment samples along contaminant gradients over time.	30K
4) Do management actions decrease contaminants in storm runoff?	M	Oil trap maintenance. Annual evaluation of maintenance program at selected traps, using best management practices.	DWPC, Municipal officials	Monitoring & maintenance of oil/grease traps.	25K
5) Do management actions in New Bedford Harbor increase or decrease PCB levels in resource species baywide?	M,T	Measurements of PCBs in living resources (clams, mussels, lobsters, flounder) and bottom sediments. Evaluation every 5 years.	DMF, DWPC	Analysis of edible tissue, water and sediment.	Ongoing + 20K
6) Do management actions increase or decrease PAH levels in resource species?	M,T	Measurements of PAHs in living resources (clams, mussels, lobsters, flounder), water column (suspended sed.) and bottom sediments. Evaluation every 5 years in selected harbors and/or after a major oil spill.	DMF, DWPC	Analysis of edible tissue, water and sediment.	Ongoing + 20K

II. ROLES/RESPONSIBILITIES OF PROJECT PARTICIPANTS

There were a member of agencies that were involved in the South Bay Pilot Project. The roles and responsibilities of the various regulatory agencies and POTWs are described in this section.

A. REGULATORY AGENCIES

Regional Water Quality Control Board (RWQCB)

The Clean Water Act protects beneficial uses of water bodies by requiring the State and EPA to set water quality standards based on these beneficial uses. In California, the Regional Water Quality Control Board (RWQCB) sets these standards in Basin Plans. Because of the lack of dilution from tidal action or freshwater inflow to South San Francisco Bay, the Basin Plan developed for the Bay prohibited discharges south of the Dumbarton Bridge, and did not set water quality standards. Exceptions to this prohibition were available where the discharger could demonstrate a net environmental benefit and water quality enhancement resulting from the discharge.

The Palo Alto, San Jose/Santa Clara, and Sunnyvale POTWs petitioned for an exception from the discharge prohibition, and submitted a five-year monitoring study to support their petition. The RWQCB issued a regional order stating that the study did not support a finding of net environmental benefit and water quality enhancement. Nevertheless, the RWQCB determined that the POTWs could continue to discharge into the South Bay as long as they: a) submitted studies to determine the origin of the potentially harmful pollutants; b) implemented mitigation projects; c) developed source pollution minimization programs; and d) evaluated waste reduction alternatives. After the POTWs complied with the conditions of the RWQCB order, they had to implement specific waste minimization projects, as defined in their amended discharge permits.

Environmental Protection Agency (EPA)

Under the Clean Water Act, EPA is authorized to set site-specific limits for POTWs. These limits are addressed in NPDES permits.

In an effort to reduce metal loadings to the Bay, EPA Region 9 helped RWQCB review the POTWs' studies of pollutant origins and possible waste minimization programs.

In addition, EPA assisted the RWQCB in promoting pollution prevention in the following ways:

July 12, 1993

Buzzards Bay Project

Mr. Eric Hall
U.S. Environmental Protection Agency
John F. Kennedy Federal Building
Boston, Massachusetts 02203

Dear Mr. Hall:

I am writing to request copies of NPDES permits of the below referenced companies. The Buzzards Bay Project's Toxic Waste Source Reduction Program, a program funded jointly by the EPA and Commonwealth of Massachusetts, has begun within the past two months. This data would be extremely beneficial to us as we begin to work with industry giving them a better appreciation for what is developing with regard to the laws and legislation that has been initiated. I am enclosing a copies of relevant materials with regard to our existence.

The companies we are requesting copies of the NPDES permits are:

Teledyne Rodney Metals - MA0003336
Aerovox Corporation - MA0003379
Acushnet Co.(rubber) - MA0003913
Titlest (Acushnet Co.-golf) - MA0005428
Cornell Dubilier - MA0003930
Revere Copper Products - MA0004821
Fairhaven, Massachusetts Wastewater Treatment Plant - MA0100765
New Bedford, Massachusetts Wastewater Treatment Plant - MA0100781
Isotronics Corporation
Hoyt Manufacturing - MA0022152

The above mentioned firms are in the New Bedford or greater New Bedford area primarily impacting the New Bedford Harbor - Acushnet River, leading to Buzzards Bay.

Your cooperation in supplying these documents will be greatly appreciated.

Sincerely,

Frederick M. Kalisz, Jr.
Program Coordinator
Toxic Waste Source Reduction

2 Spring Street, Marion, Massachusetts 02738 (508) 748-3600 Facsimile (508) 748-2845

The Buzzards Bay Project is sponsored by the U.S. Environmental Protection Agency and the Massachusetts Executive Office of Environmental Affairs through the Coastal Zone Management Office.

Attached are copies of the permits you requested. Isotronics and Hoyt Mfg. no longer have permits. They have either closed or tied into the sewer.

For information on permits and compliance contact:

Martha Bosworth 565-3933

For marine pollutants info:

Phil Colarusso 565-4428

For water quality stds.-to-permits process: call me at 565-3533

Eric Hall

NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

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Listing of Permit Holders

01A Acushnet Company - Golf Division
01B Acushnet Company - Rubber Division
01C Acushnet Nursing Home
01D Adams, Don; Oil Company
01E Atlas Tack
01F Aerovox Corporation
02A Berkshire Hathaway
03A Commonwealth Electric
03B Cornell Dubilier
04A Dartmouth POTW
04B Dugan Buick Pontiac
06A Fairhaven POTW
06B Franconia Fuel
07A Glenn Petroleum
08A Hoyt Mfg.
12A Lobster Trap
13A Marine Research
13B Marion POTW
13C Maritime Terminal
13D Massachusetts Maritime Academy
14A New Bedford POTW
14B New Bedford Landfill (Shawmut Ave)
15A Old Rochester Regional High School
18A Revere Copper and Brass
19A Skipper Motor Inn
20A Teledyne Rodney Metals
20B Tilcon
20C Tremont Nail
23A Wareham POTW

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AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act, as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§26-53),

Acushnet Company, Golf Division

is authorized to discharge from the facility located at

Slocum Street
Acushnet, Massachusetts

to receiving waters named

Acushnet River

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on date of signature.

This permit and the authorization to discharge expire at midnight, five years from date of issuance.

This permit supersedes the permit issued on June 4, 1975

This permit consists of 7 pages in Part I including effluent limitations, monitoring requirements, etc., and 19 pages in Part II including General Conditions and Definitions.

Signed this 20th day of November, 1986

David A. Fierra
Director
Water Management Division
Environmental Protection Agency
Region I
Boston, MA

Thomas C. McMahon for
Director, Division of Water
Pollution Control
Department of Environmental
Quality Engineering
Commonwealth of Massachusetts
Boston, MA

LUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date and lasting through the expiration date the perm
horized to discharge from outfall serial number 008, sanitary waste.

h discharges shall be limited and monitored by the permittee as specified below:

luent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
w-m^3/Day (MGD)	-	-	Continuous	Daily Avg
	30 mg/l	50 mg/l	Monthly	Composit
	30 mg/l	50 mg/l	Monthly	Composit
& Grease	10 mg/l	15 mg/l	Monthly	Grab
tleable Solids	-	.3 mg/l	Monthly	Grab
al Coliform	200/100 ml	400/100 ml	Monthly	Grab

pH shall not be less than 6.5 standard units nor greater than 8.5 standard units and
l be monitored continously, report ranges.

re shall be no discharge of floating solids or visible foam in other than trace amounts.

ples taken in compliance with the monitoring requirements specified above shall be taken
he following locations: point of discharge.

LUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date and lasting through the expiration date the perm
horized to discharge from outfall serial number 010 treated process waste, non-contact cooling wate
er blowdown.

discharges shall be limited and monitored by the permittee as specified below:

uent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
-M^3/Day (MGD)	-	-	Continuous	Daily Avg
	Monitor		Monthly	Composite
	1.00 mg/l	2.61mg/l	Monthly	Composite
l Suspended Solids	30 mg/l	50 mg/l	Monthly	Composite
& Grease	10 mg/l	15 mg/l	Monthly	Grab
erature	-	92°F	Monthly	Grab
	-	2.13 mg/l	2/Years	Grab

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ne following locations: point of discharge.

page 4 for detail.

Total Toxic Organics

The term "Total Toxic Organics" (TTO) is the summation of all quantifiable values greater than 0.01 milligrams per liter (mg/l) for the following toxic organics:

Acenaphthene
Acrolein
Acrylonitrile
Benzene
Benzidine
Carbon tetrachloride (tetrachloromethane)
Chlorobenzene
1.2.4-trichlorobenzene
Hexachlorobenzene
1.2.-dichloroethane
1.1.1-trichloroethane
Hexachloroethane
1.1-dichloroethane
1.1.2-trichloroethane
1.1.2.2-tetrachloroethane
Chloroethane
Bis (2-chloroethyl) ether
2-chloroethyl vinyl ether (mixed)
2-chloronaphthalene
2.4.6-trichlorophenol
Parachlorometa cresol
Chloroform (trichloromethane)
2-chlorophenol
1.2-dichlorobenzene
N-nitrosodi-n-propylamine
Pentachlorophenol
Phenol
Bis (2-ethylhexyl) phthalate
Butyl benzyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Diethyl phthalate
Dimethyl phthalate
1.2-benzanthracene (benzo(a)anthracene)
Benzo(a)pyrene (3.4-benzopyrene)
3.4-Benzofluoranthene (benzo(b)fluoranthene)
11.12-benzofluoranthene (benzo(k)fluoranthene)
Chrysene
Acenaphthylene
Anthracene
1.12-benzoperylene (benzo(ghi)perylene)
Fluorene
Phenanthrene
1.2.5.6-dibenzanthracene (dibenzo(a.h)anthracene)
Indeno(1.2.3-cd) pyrene (2.3-o-phenylene pyrene)
Pyrene
Tetrachloroethylene
Toluene
1.3-dichlorobenzene
1.4-dichlorobenzene
3.3-dichlorobenzidine
1.1-dichloroethylene
1.2-trans-dichloroethylene
2.4-dichlorophenol
1.2-dichloropropane (1.3-dichloropropene)
2.4-dimethylphenol
2.4-dinitrotoluene
2.6-dinitrotoluene
1.2-diphenylhydrazine
Ethylbenzene
Fluoranthene
4-chlorophenyl phenyl ether
4-bromophenyl phenyl ether
Bis (2-chloroisopropyl) ether
Bis (2-chloroethoxy) methane
Methylene chloride (dichloromethane)
Methyl chloride (chloromethane)
Methyl bromide (bromomethane)
Bromoform (tribromomethane)
Dichlorobromomethane
Chlorodibromomethane
Hexachlorobutadiene
Hexachlorocyclopentadiene
Isophorone
Naphthalene
Nitrobenzene
2-nitrophenol
4-nitrophenol
2.4-dinitrophenol
4.6-dinitro-o-cresol
N-nitrosodimethylamine
N-nitrosodiphenylamine
Trichloroethylene
Vinyl chloride (chloroethylene)
Aldrin
Dieldrin
Chlordane (technical mixture and metabolites)
4.4-DDT
4.4-DDE (p.p-DDX)
4.4-DDD (p.p-TDE)
Alpha-endosulfan
Beta-endosulfan
Endosulfan sulfate
Endrin
Endrin aldehyde
Heptachlor
Heptachlor epoxide
(BHC-hexachlorocyclohexane)
Alpha-BHC
Beta-BHC
Gamma-BHC
Delta-BHC
(PCB-polychlorinated biphenyls)
PCB-1242 (Arochlor 1242)
PCB-1254 (Arochlor 1254)
PCB-1221 (Arochlor 1221)
PCB-1232 (Arochlor 1232)
PCB-1248 (Arochlor 1248)
PCB-1260 (Arochlor 1260)
PCB-1016 (Arochlor 1016)
Toxaphene
2.3.7.8-tetrachlorodibenzo-p-dioxin (TCDD)

In monitoring for Total Toxic Organics, the permittee need analyze for only those pollutants which would reasonably be expected to be present. The permittee may make the following certification on its monitoring reports in lieu of conducting an analysis: "Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitations for total toxic organics (TTO). I certify that, to the best of my knowedge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report.

2. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) One hundred micrograms per liter (100 ug/l);

(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

(3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

(4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) Five hundred micrograms per liter (500 ug/l);

(2) One milligram per liter (1 mg/l) for antimony;

(3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

(4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

C. MONITORING AND REPORTING

1. Reporting

Monitoring results obtained during the previous month shall be summarized for each month and reported on separate Discharge Monitoring Report Form(s) postmarked no later than the 15th day of the month following the completed reporting period. The first report is due on the 15th day of the month following the effective date of the permit.

Signed copies of these, and all other reports required herein, shall be submitted to the Director at the following address:

Permit Compliance Section
Compliance Branch
Water Management Division
Environmental Protection Agency
JFK Federal Building
Boston, MA 02203

Duplicate signed copies of all monitoring reports shall be submitted to the State at:

Massachusetts Department of Environmental Quality Engineering
Massachusetts Division of Water Pollution Control
Southeastern Regional Office
Lakeville Hospital
Lakeville, Massachussetts 02346

Signed copies of all other notifications and reports required by this permit shall be submitted to the State at:

Massachusetts Department of Environmental Quality Engineering
Massachusetts Division of Water Pollution Control
Regulatory Branch
1 Winter Street
Boston, Massachusetts 02108

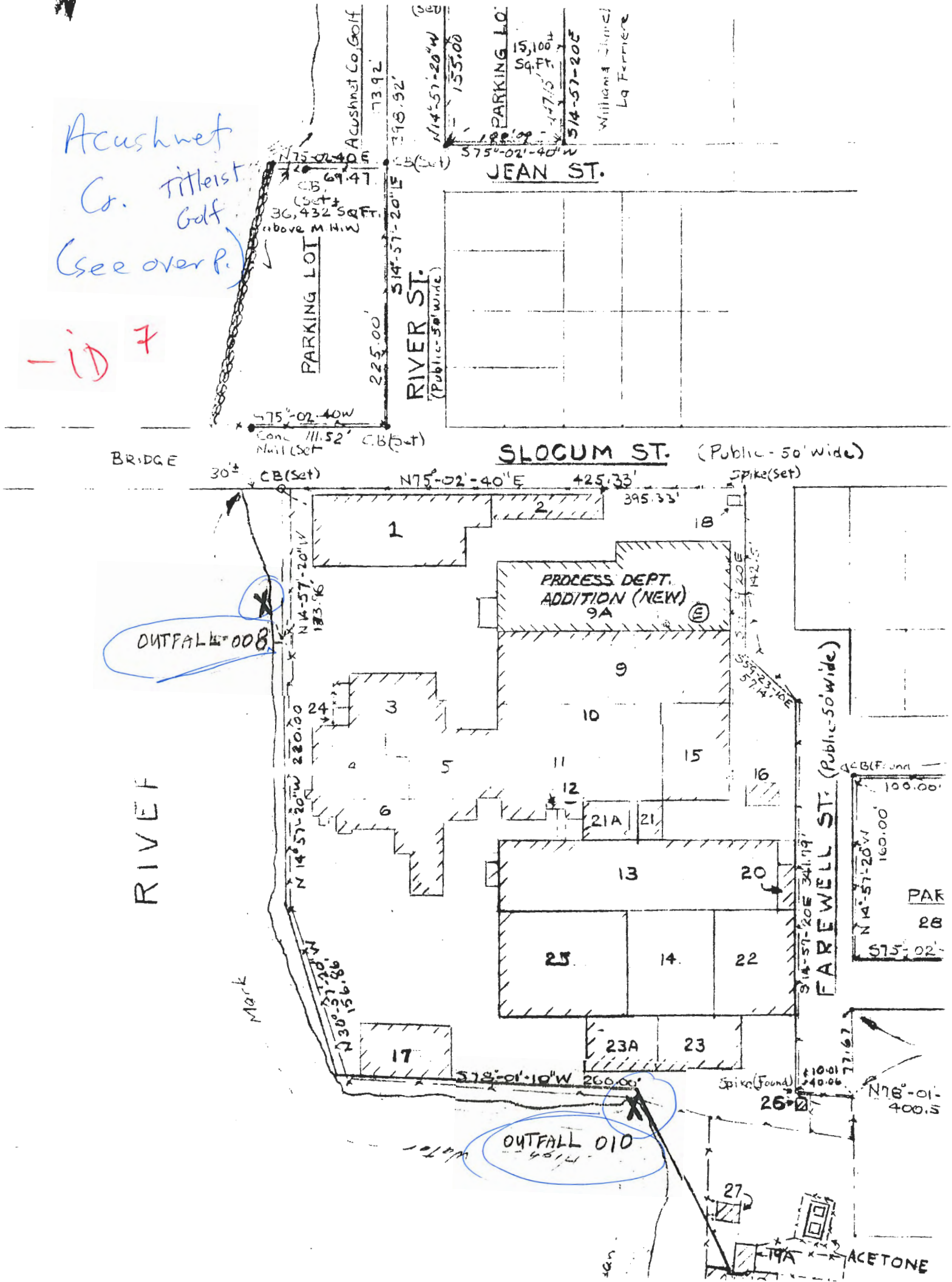
D. STATE PERMIT CONDITIONS

This Discharge Permit is issued jointly by the U. S. Environmental Protection Agency and the Division of Water Pollution Control under Federal and State law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Director of the Massachusetts Division of Water Pollution Control pursuant to M.G.L. Chap. 21, §43.

Each Agency shall have the independent right to enforce the terms and conditions of this Permit. Any modification, suspension or revocation of this Permit shall be effective only with respect to the Agency taking such action, and shall not affect the validity or status of this Permit as issued by the other Agency, unless and until each Agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this Permit is declared, invalid, illegal or otherwise issued in violation of State law such permit shall remain in full force and effect under Federal law as an NPDES Permit issued by the U. S. Environmental Protection Agency. In the event this Permit is declared invalid, illegal or otherwise issued in violation of Federal law, this Permit shall remain in full force and effect under State law as a Permit issued by the Commonwealth of Massachusetts.

Acushnet Co. Titleist Golf
(see over P.)

-ID 7



NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act, as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§26-53),

Acushnet Company, Rubber Division

is authorized to discharge from the facility located at

744 Belleville Avenue
New Bedford, MA

to receiving waters named

Acushnet River

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on date of signature

This permit and the authorization to discharge expire at midnight, five years from the date of issuance.

This permit supersedes the permit issued on 6/19/75

This permit consists of 6 pages in Part I including effluent limitations, monitoring requirements, etc., and 19 pages in Part II including General Conditions and Definitions.

Signed this 20th day of November, 1986

David A. Fiera
Director
Water Management Division
Environmental Protection Agency
Region I
Boston, MA

Thomas C. McMahon
Director, Division of Water Pollution Control
Department of Environmental Quality Engineering
Commonwealth of Massachusetts
Boston, MA

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the expiration date the permittee is authorized to discharge from outfall serial number 001, non-contact cooling water, belt cooling waters.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow-m^3/Day (MGD)	-	-	Continously	Daily Avg.
Chromium Total	-	0.3 mg/l	Quarterly	Composite
Chemical Oxygen Demand (COD)	Monitor		Monthly	Composite
Oil & Grease	3.3 lbs/day	9.3 lbs/day Or 15 mg/l	Monthly	Grab
Total Suspended Solid (TSS)	9 lbs/day	18 lbs/day	Monthly	Composite

The pH shall not be less than 6.5 standard units nor greater than 8.0 standard units and shall be monitored monthly, report range of 8 grabs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: point of discharge.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the expiration date the permittee is authorized to discharge from outfall serial number 002 and 003, storm runoff.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow-m^3/Day (MGD)	-	-	Quarterly	Daily Avg.
Oil & Grease	10 mg/l	15 mg/l	Quarterly	Grab
*COD	Monitor		"	"

The pH shall not be less than 6.5 standard units nor greater than 8.0 standard units and shall be monitored quarterly, report range of 4 grabs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: points of discharge.

*State Certification Requirement.

2. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) One hundred micrograms per liter (100 ug/l);

(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

(3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

(4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) Five hundred micrograms per liter (500 ug/l);

(2) One milligram per liter (1 mg/l) for antimony;

(3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

(4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

C. MONITORING AND REPORTING

1. Reporting

Monitoring results obtained during the previous month shall be summarized for each month and reported on separate Discharge Monitoring Report Form(s) postmarked no later than the 15th day of the month following the completed reporting period. The first report is due on the 15th day of the month following the effective date of the permit.

Signed copies of these, and all other reports required herein, shall be submitted to the Director at the following address:

Permit Compliance Section
Compliance Branch
Water Management Division
Environmental Protection Agency
JFK Federal Building
Boston, MA 02203

Duplicate signed copies of all monitoring reports shall be submitted to the State at:

Massachusetts Department of Environmental Quality Engineering
Massachusetts Division of Water Pollution Control
Southeastern Regional Office
Lakeville Hospital
Lakeville, Massachussetts 02346

Signed copies of all other notifications and reports required by this permit shall be submitted to the State at:

Massachusetts Department of Environmental Quality Engineering
Massachusetts Division of Water Pollution Control
Regulatory Branch
1 Winter Street
Boston, Massachusetts 02108

D. STATE PERMIT CONDITIONS

This Discharge Permit is issued jointly by the U. S. Environmental Protection Agency and the Division of Water Pollution Control under Federal and State law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Director of the Massachusetts Division of Water Pollution Control pursuant to M.G.L. Chap. 21, §43.

Each Agency shall have the independent right to enforce the terms and conditions of this Permit. Any modification, suspension or revocation of this Permit shall be effective only with respect to the Agency taking such action, and shall not affect the validity or status of this Permit as issued by the other Agency, unless and until each Agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this Permit is declared, invalid, illegal or otherwise issued in violation of State law such permit shall remain in full force and effect under Federal law as an NPDES Permit issued by the U. S. Environmental Protection Agency. In the event this Permit is declared invalid, illegal or otherwise issued in violation of Federal law, this Permit shall remain in full force and effect under State law as a Permit issued by the Commonwealth of Massachusetts.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
JOHN F. KENNEDY FEDERAL BUILDING
BOSTON, MASSACHUSETTS 02203

FACT SHEET

DRAFT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT TO DISCHARGE TO WATERS OF THE UNITED STATES

NPDES PERMIT NO.: MA 0003913

STATE PERMIT NO.:

NAME AND ADDRESS OF APPLICANT: Acushnet Company, Rubber Division
744 Belleville Avenue
New Bedford, Massachusetts

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

same as above

RECEIVING WATER: Acushnet River

CLASSIFICATION: B

I. Proposed Action, Type of Facility, and Discharge Location.

The above named applicant has applied to the U.S. Environmental Protection Agency for reissuance of its NPDES permit to discharge into the designated receiving water. The facility is engaged in manufacturing of custom molded rubber parts. The discharge ~~is from~~ consist of belt cooling water, non-contact cooling water & roof runoff.

II. Description of Discharge.

A quantitative description of the discharge in terms of significant effluent parameters based on permit application & the monitoring report is shown on Attachment A.

III. Limitations and Conditions.

The effluent limitations of the draft permit, the monitoring requirements, and any implementation schedule (if required) may be found on the following attachments: B

IV. Permit Basis and Explanation of Effluent Limitation Derivation.

The Aushnet Company, Rubber Division located in New Bedford, Massachusetts is a manufacturer of custom molded rubber parts for automotive, aircraft, safty appliance as well as well as for various industrial or consumer product industries. Discharge point #001 consists of belt cooling water, & non-contact cooling water; discharge point #002 & #003 consist of roof runoff & storm runoff.

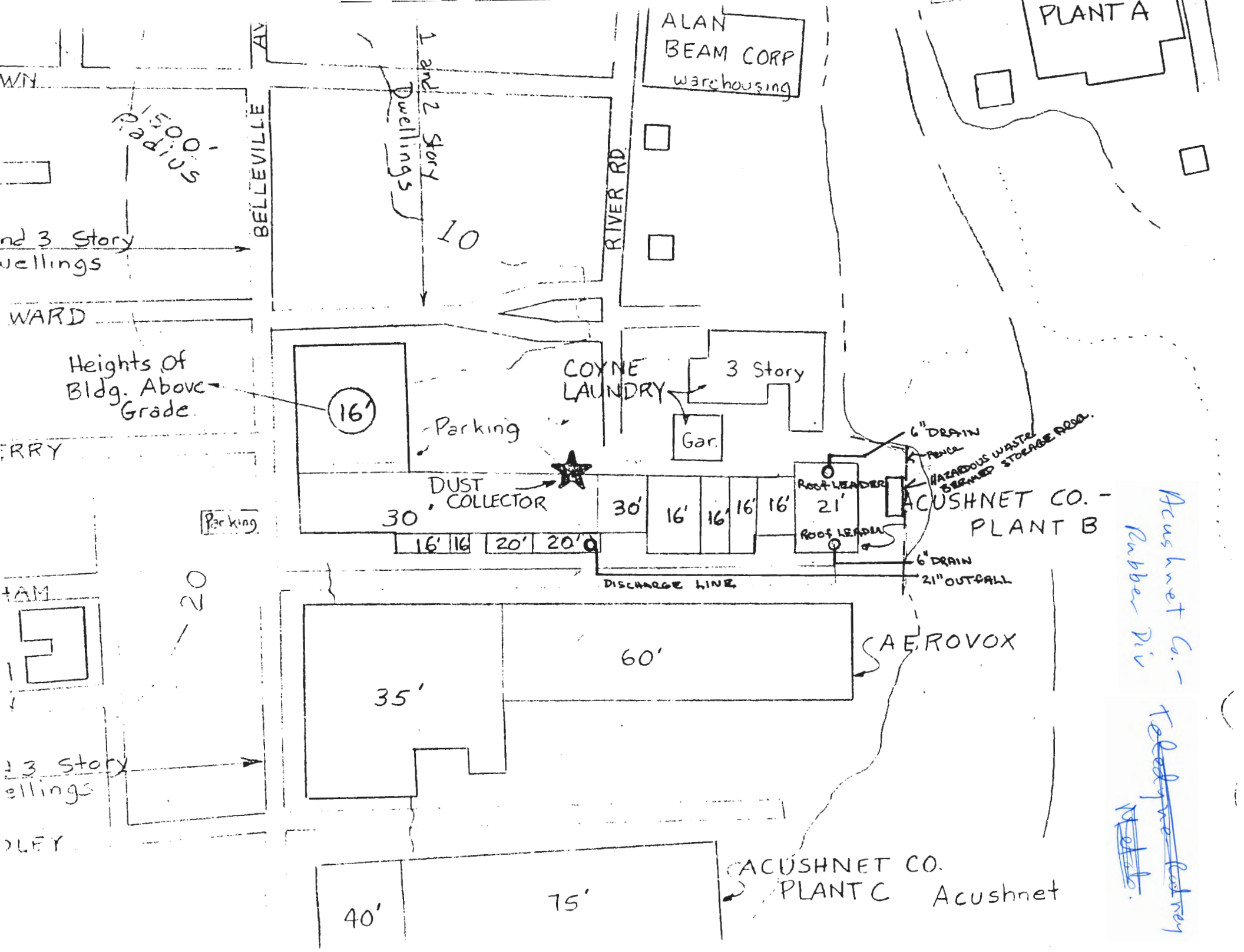
The Clean Water Act, as amended (CWA), requires that discharges satify both minium technology and water quality requirements. The minimum technology requirements are Best Practicable Control Technology Currently Available (BPT) (Section 301 (b) (1) (A) of the Clean Water Act) which was required by July 1, 1977, and Best Available Technology Economically Achievable (BAT) for toxic and non-conventional pollutants and Best Conventional Pollutant Control Technology (BCT) for conventional pollutants (Section 301 (b) (2) (A) and (E)

which was required by July 1, 1984. National Effluent Guidelines have not been promulgated for this type of discharge. Therefore, the proposed permit is based on Best Professional Judgement (BPJ), as provided in Section 402(a)(1) of the Clean Water Act (CWA).

After reviewing the permit application, the monitoring data, the major pollutant in the discharge are solids and oil & grease. Chromium had also been detected at a low level. This appears to be the residual left from the chrome plating bath originally connected to the outfall prior to 1976 (tie-in to town sewer). The proposed permit limits have been developed based on the expired permit, monitoring report & permit application.

In addition to meeting the technology standards permit limitation must also satify Section 301(b)(1)C of the CWA which requires compliance with state water quality standards. The proposed limitations on ph & oil & grease are included as Massachusetts State certification requirements needed to meet water Quality


ERVATION
Teledyne-
Rubber
Metals
Acushnet Co. -
Rubber Div.
-ID 4
SEE EXTR
ACUSHNET PLT
OUTFALL
New Bedford N
Quad
Gravel Pits
Gravel Pit
PLAINVILLE ROAD
ville
EW BEDFORD
ICIPAL AIRPORT
INTERCHANGE 4
INTERCHANGE 3
INTERCHANGE 19
INTERCHANGE 20
INTERCHANGE 2
INTERCHANGE 1
INTERCHANGE 21
INTERCHANGE 23
INTER 22
Golf Course
Incinerator
Mt Pleasant
Calvary Ch
St Theresas Ch
Cranberry Bog
St Francis Xavier Sch
Acushnet Cem
Tabor Cem
Acushnet
Tarkiln Hill
Swift Sch
Normandin Jr High Sch
Ashley Sch
Brooklawn Park
St Joseph Sch
Library
Quarries
Burt Sch
Substation
Lincoln Sch
Sacred Heart Cem
Packham West Cem
St Kilians Sch
Ottiwell Sch
Fire Sta
Phillips Ave Sch
Playground
North Fairhaven
Woodside Cem
Livesey Park
Oxford Sch
Sacred Heart Academy
Oxford
Clifford Sch
Knowlton Sch
Clark Street Sch
NEW BEDFORD
Radio Towers (WBSM)
Riverside Cem
Anthony Sch
Sacred Heart Ch
Kempton Sch
Parker St Sch
High Sch
Brooks Sch
Doane Memorial Field
Keith Jr High Sch
Vocational High Sch
Cook Sch
Rodman Sch
Orphanage
Fire Sta
Library
Playground
House of Correction
Hathaway
Buttonwood
Ropes Island
Radio Tower (WBSM)
Marine Park
Fish Island
Crow Island
Lights
Radio Tower (WNBH)
State Pier
Cushman Park
Tripp Sch
Townhall
ACUSHNET RIVER
NEW BEDFORD



Acushnet Co. - Rubber Div

NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

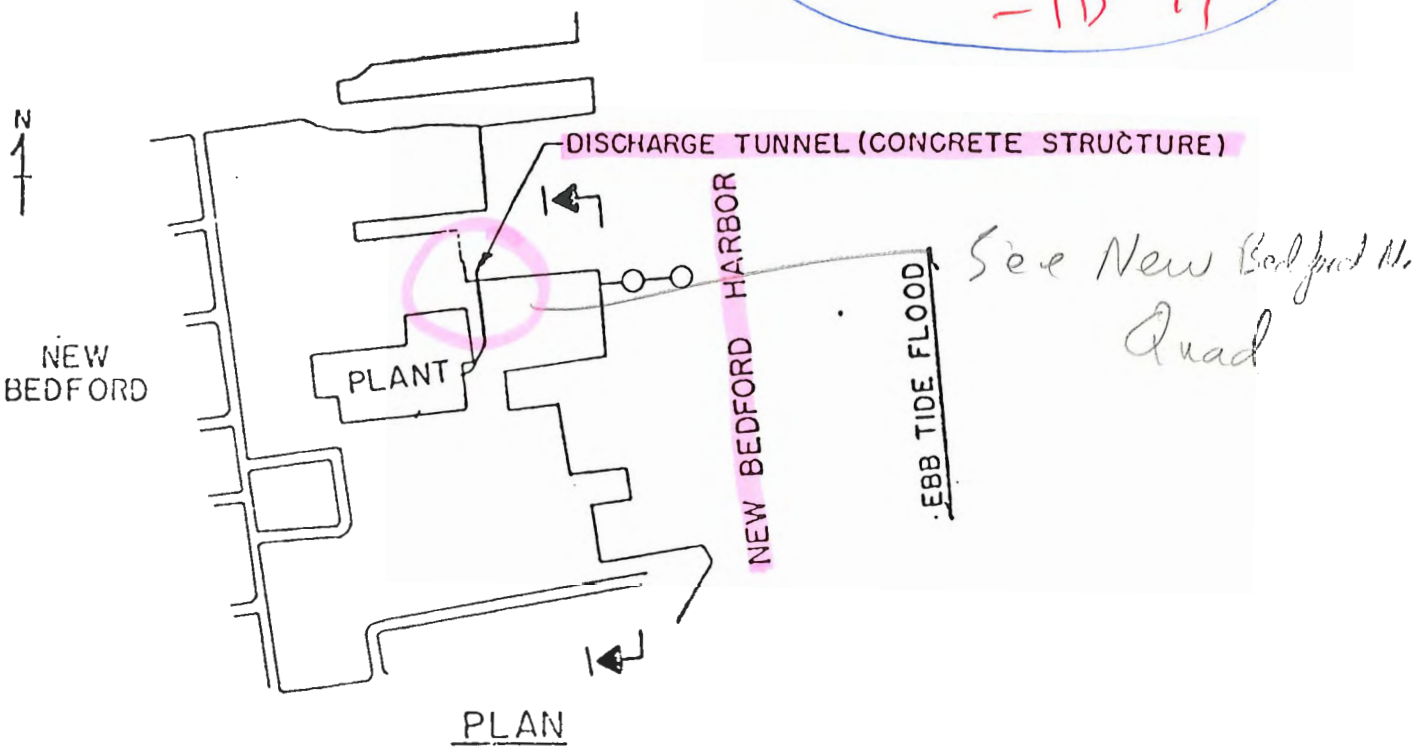
Conventional Parameters:

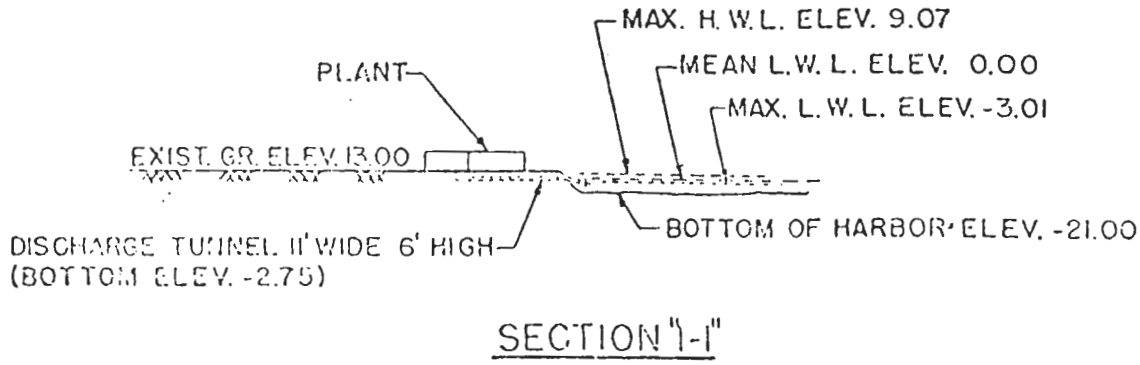
BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

Comm Electric.
-ID 14





CANNON STREET STATION DISCHARGE

FIGURE 1

PERMIT MODIFICATION
ON 12-30-76

Federal Permit No. MA0003379
State Permit No. 480
State Application No.

MODIFICATION #1

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"), and the Massachusetts Clean Waters Act, as amended, (M.G.L.,C.21, §§26-53),

AEROVOX INDUSTRIES, INC.

is authorized to discharge from a facility located at

742 Belleville Avenue
New Bedford, MA

to receiving waters named

Acushnet River

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on 45 days after date of signature below.

This permit and the authorization to discharge shall expire at midnight, June 21, 1980.

This permit modifies the permit issued on November 19, 1975.

Signed this 30th day of December, 1976.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Stuart C. Peterson
for Leslie Carothers, Director
Enforcement Division
Environmental Protection Agency

Thomas C. McMahon
Thomas C. McMahon, Director
Division of Water Pollution Control
Commonwealth of Massachusetts

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning effective date and lasting through June 30, 1977. the permittee is authorized to discharge from outfall(s) serial number(s) 001

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations g/day (oz/day)		Other Units (Specify)		Monitoring Requirements	
	Daily Avg	Daily Max	Daily Avg *	Daily Max *	Measurement Frequency	Sample Type
Flow—m^3/Day (MGD)	—	—	—	—	continuous	report total daily flow.
TSS	-	-	-	-	1 day/month	composite
Copper	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Iron	-	-	1 mg/1	2 mg/1	1 day/month	composite
Lead	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Phenols	-	-	-	1.0 mg/1	1 day/month	composite
Chromium (total)	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Chromium (hexavalent)	-	-	0.05 mg/1	0.1 mg/1	1 day/month	composite
Polychlorinated biphenyls	50(2)	100(4)		-	1 day/month	composite

Metal concentrations above are based on analysis of filtered sample using a 0.45 micron membrane filter.

The maximum permissible concentration for a particular metal in the total suspended solids shall be 1 mg/1.

The pH shall not be less than 6.0 standard units nor greater than 9.5 standard units and shall be monitored monthly, report range & mean of 4 grabs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
*See definitions.
at the confluence with the river.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning July 1, 1977 and lasting through expiration of permit the permittee is authorized to discharge from outfall(s) serial number(s) 001

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations g/day (oz/day)		Other Units (Specify)		Monitoring Requirements	
	Daily Avg	Daily Max	Daily Avg *	Daily Max *	Measurement Frequency	Sample Type
Flow—m^3/Day (MGD)	—	—	—	(0.5)	continuous	report total daily flow
TSS	-	-	-	-	1 day/month	composite
Copper	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Iron	-	-	1 mg/1	2 mg/1	1 day/month	composite
Lead	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Phenols	-	-	-	1.0 mg/1	1 day/month	composite
Chromium (total)	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Chromium (hexavalent)	-	-	0.05 mg/1	0.1 mg/1	1 day/month	composite
Polychlorinated biphenyls		19 (.67)	-	.01 mg/l***	1 day/month **	composite

Metal concentrations above are based on analysis of filtered sample using a 0.45 micron membrane filter.

The maximum permissible concentration for a particular metal in the total suspended solids shall be 1 mg/1.

***This shall not be achieved by dilution.

The pH shall not be less than 6.0 standard units nor greater than 9.5 standard units and shall be monitored monthly, report range & mean of 4 grabs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
*See definitions.
at the confluence with the river.

** For the period July 1, 1977 thru Aug. 1, 1977 , the frequency of monitoring of PCB's shall be 1 day/week Beginning Sept. 1, 1977 or earlier, with the Regional Administrator's approval, the frequency of monitoring of PCB's shall be 1 day/month.

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

   a. On January 1, 1977, submit a progress report on meeting the limits in Condition A2. This report shall also summarize the work already done, its effects and costs. Aerovox shall also submit sampling data on the wastes going to the New Bedford Sewers.

   b. On July 1, 1977, submit a report on meeting the limits in Condition A2 and have the trough or sluiceway on the north side of the building lined with an impereable material.

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

C. MONITORING AND REPORTING

1. *Representative Sampling*

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. *Reporting*

Monitoring results obtained during the previous 3 months shall be summarized for each month and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on April 28, 1977 . Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the State at the following addresses:

Environmental Protection Agency
Permits Branch, Region 1
P.O. Box 8127
Boston, MA 02114

Division of Water Pollution Control
Leverett Saltonstall Building
100 Cambridge Street
Boston, MA 02202

3. *Definitions* - See back of permit

~~a. The "daily average" discharge means the total discharge by weight during a calendar~~ month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

b. The "daily maximum" discharge means the total discharge by weight during any ~~calendar day.~~

4. *Test Procedures*

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

5. *Recording of Results*

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

a. The exact place, date, and time of sampling;

b. The dates the analyses were performed;

c. The person(s) who performed the analyses;

d. The analytical techniques or methods used; and

e. The results of all required analyses.

6. *Additional Monitoring by Permittee*

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1). Such increased frequency shall also be indicated.

7. *Records Retention*

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.

A. MANAGEMENT REQUIREMENTS

1. *Change in Discharge*

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. *Noncompliance Notification*

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

a. A description of the discharge and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

3. *Facilities Operation*

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. *Adverse Impact*

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. *Bypassing*

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

6. *Removed Substances*

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

7. *Power Failures*

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in Part I,

b. Halt, reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

B. RESPONSIBILITIES

1. *Right of Entry*

The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. *Transfer of Ownership or Control*

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

3. *Availability of Reports*

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public

inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

4. *Permit Modification*

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. *Toxic Pollutants*

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

6. *Civil and Criminal Liability*

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. *Oil and Hazardous Substance Liability*

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. *State Laws*

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

9. *Property Rights*

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. *Severability*

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART III

OTHER REQUIREMENTS

FOR PURPOSES OF THIS PERMIT, THE FOLLOWING TERMS SHALL APPLY.

Daily Average - The value of a composite sample or the mean value of the analyses of the specified number of samples collected at regular intervals over a normal operating day.

Daily Maximum - The maximum value of any one grab sample collected in a normal operating day.

Grab Sample - An individual sample collected in a period of less than 15 minutes.

Composite Sample - A sample consisting of a minimum of eight grab samples collected at regular intervals over a normal operating day and combined proportional to flow, or a sample continuously collected proportional to flow over a normal operating day.

Implementation Schedule - An abatement program consisting of:

a. A plan of intended design, construction, and operation of new or modified facilities to treat the effluent; and

b. A timetable setting forth the dates by which all sources of water pollution must be in compliance with the effluent limitations of this permit. This schedule shall include (if appropriate) interim and final dates to accomplish:

(1) Completion of preliminary plans and engineering report
(2) Completion of final plans
(3) Contract award
(4) Commencement of construction
(5) Completion of construction and commencement of operation
(6) Attainment of operational level

The following abbreviations, when used, are defined below.

mg/l	milligrams per liter
ug/l	micrograms per liter
lbs/day	pounds per day
kg/day	kilograms per day
Temp. °C	temperature in degrees Centigrade
Temp. °F	temperature in degrees Fahrenheit
Turb.	turbidity measured in Jackson Candle Units (JTU)
oz/day	ounces per day
g/day	grams per day

TNFR or TSS	total nonfilterable residue or total suspended solids
BOD	five-day biochemical oxygen demand unless otherwise specified
TKN	total Kjeldahl nitrogen as nitrogen
NH_3-N	ammonia nitrogen as nitrogen
Total P	total phosphorus as phosphorus
COD	chemical oxygen demand
TOC	total organic carbon
Surfactant	surface-active agent
pH	a measure of the hydrogen ion concentration
PCB	polychlorinated biphenyl
m^3/Day	cubic meters per day
MGD	million gallons per day
Oil & Grease	hexane extractable material
Total Coliform	total coliform bacteria
Fecal Coliform	total fecal coliform bacteria
ml	milliliter(s)
ml/l	milliliter(s) per liter
SU	standard units
NO_3-N	nitrate nitrogen as nitrogen
NO_2-N	nitrite nitrogen as nitrogen
NO_2 & NO_3	combined nitrite and nitrate nitrogen as nitrogen
Cl_2	total residual chlorine

Federal Permit No. MA0003379
State Permit No. 480
State Application No. 883

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"), and the Massachusetts Clean Waters Act, as amended, (M.G.L.,C.21, §§26-53),

Aerovox Industries

is authorized to discharge from a facility located at

742 Belleville Avenue
New Bedford, Massachusetts

to receiving waters named

Acushnet River

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on 45 days from the date of signature.

This permit and the authorization to discharge shall expire at midnight, January 1, 1977.

Signed this 19th day of November, 1975

Robert C Thompson, Acting Director
Enforcement Division
Environmental Protection Agency

Thomas C. McMahon, Director
Division of Water Pollution Contro
Commonwealth of Massachusetts

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning effective date and lasting through January 1, 1977
the permittee is authorized to discharge from outfall serial number 001 (discharge from pretreatment facility)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	kg/day (lbs/day)		Other Units (Specify)			
	Daily Avg	Daily Max	Daily Avg*	Daily Max*	Measurement Frequency	Sample Type
Flow—m^3/Day (MGD)	—	—	—	—	continuous	report total daily flow
TSS	-	-	-	-	1 day/month	composite
Copper	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Iron	-	-	1 mg/1	2 mg/1	1 day/month	composite
Lead	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Phenols	-	-	-	1.0 mg/1	1 day/month	composite
Chromium (total)	-	-	0.5 mg/1	1.0 mg/1	1 day/month	composite
Chromium (hexavalent)	-	-	0.05 mg/1	0.1 mg/1	1 day/month	composite

Metal concentrations above are based on analysis of filtered sample using a 0.45 micron membrane filter.

The maximum permissible concentration for a particular metal in the total suspended solids shall be 1 mg/1.

The pH shall not be less than 6.0 standard units nor greater than 9.5 standard units and shall be monitored monthly; report range & mean of 4 grabs.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

*See definitions.

B. MONITORING AND REPORTING

1. *Representative Sampling*

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. *Reporting*

Monitoring results obtained during the previous 6 months shall be summarized for each month and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on October 28, 1975 . Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the State at the following addresses:

Environmental Protection Agency
Region I
Permits Branch
P. O. Box 8127
Boston, Massachusetts 02114

Massachusetts Water Resources Commission
Division of Water Pollution Control
Leverett Saltonstall Building
100 Cambridge Street
Boston, Massachusetts 02202

3. *Definitions*

a. The "daily average" discharge means the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

b. The "daily maximum" discharge means the total discharge by weight during any calendar day.

4. *Test Procedures*

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

5. *Recording of Results*

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

a. The exact place, date, and time of sampling;

b. The dates the analyses were performed;

c. The person(s) who performed the analyses;

d. The analytical techniques or methods used; and

e. The results of all required analyses.

6. *Additional Monitoring by Permittee*

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1). Such increased frequency shall also be indicated.

7. *Records Retention*

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.

A. MANAGEMENT REQUIREMENTS

1. *Change in Discharge*

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. *Noncompliance Notification*

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

a. A description of the discharge and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

3. *Facilities Operation*

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. *Adverse Impact*

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. *Bypassing*

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

6. *Removed Substances*

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

7. *Power Failures*

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in Part I,

b. Halt, reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

B. RESPONSIBILITIES

1. *Right of Entry*

The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. *Transfer of Ownership or Control*

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

3. *Availability of Reports*

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public

inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

4. *Permit Modification*

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. *Toxic Pollutants*

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

6. *Civil and Criminal Liability*

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. *Oil and Hazardous Substance Liability*

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. *State Laws*

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

9. *Property Rights*

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. *Severability*

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART III

OTHER REQUIREMENTS

Federal Permit No. MA0003379
State Permit No. 480
State Application No. 883

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"), and the Massachusetts Clean Waters Act, as amended, (M.G.L.,C.21, §§26-53),

AEROVOX CORPORATION.

is authorized to discharge from a facility located at

742 BELLEVILLE AVE
NEW BEDFORD, MASS

to receiving waters named

ACUSHNET RIVER

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on 45 DAYS FROM DATE OF SIGNATURE

This permit and the authorization to discharge shall expire at midnight, ~~MAY 1, 1980~~ JAN 1, 1977

Signed this day of

Jeffrey G. Miller, Director
Enforcement Division
Environmental Protection Agency

Thomas C. McMahon, Director
Division of Water Pollution Control
Commonwealth of Massachusetts

EPA I.D. NUMBER (copy from Item 1 of Form 1

(M) MA0003379

Please print or type in the unshaded areas only.

Form Approved OMB No. 158-R0173

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE 1. DEG.	2. MIN.	3. SEC.	C. LONGITUDE 1. DEG.	2. MIN.	3. SEC.	D. RECEIVING WATER (name)
001	41	40	28	70	55	11	Acushnet River
003	41	40	28	70	55	11	" "
004	41	40	28	70	55	11	" "
005	41	40	28	70	55	11	" "
DD.	41.6744			70.9197			

-ID 3
Aerovox

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing avarage flows between intakes, operations, treatmant units, and outfalls. If a water balance cannot be determined *(e.g., for certain mining activities)*, provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

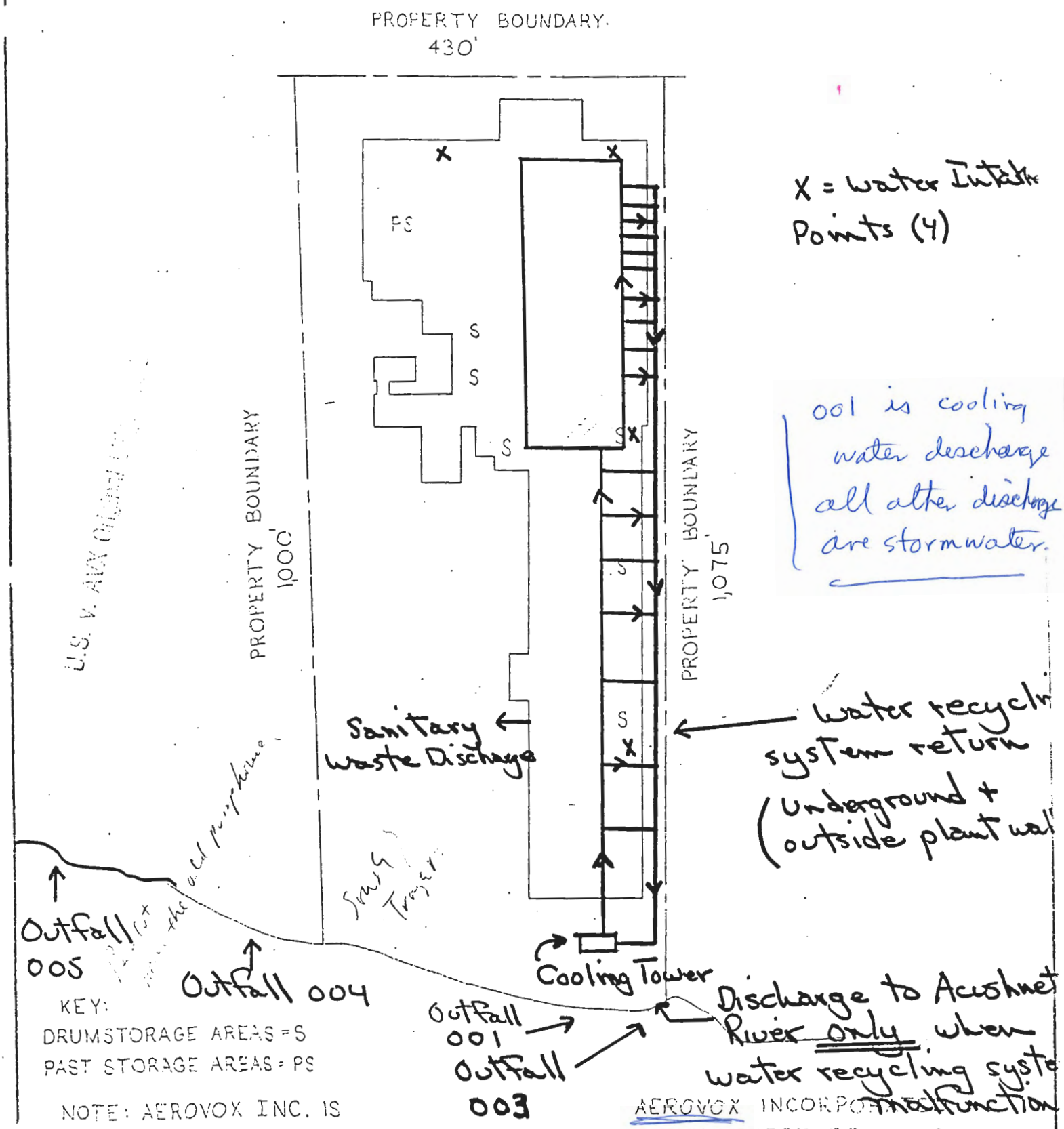
1. OUTFALL NO (list)	2. OPERATION(S) CONTRIBUTING FLOW a. OPERATION (list)	b. AVERAGE FLOW (include units)	3. TREATMENT a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
001	Non Contact Cooling Water for pumps Tanks, degreasers, etc	1000GPD *	None	
003	Surface & roof runoff from stormwater (North side of plant)	50 GPD Estimated Avg. of stormy days	None	
004	Roof runoff from storm-water (South side of plant)	100 GPD Estimated avg. of stormy days	None	
005	Parking lot runoff from stormwater (South side of plant)	100 GPD Estimated avg. of stormy days	None	
	* See overview statement about Aerovox Water Recycling System			

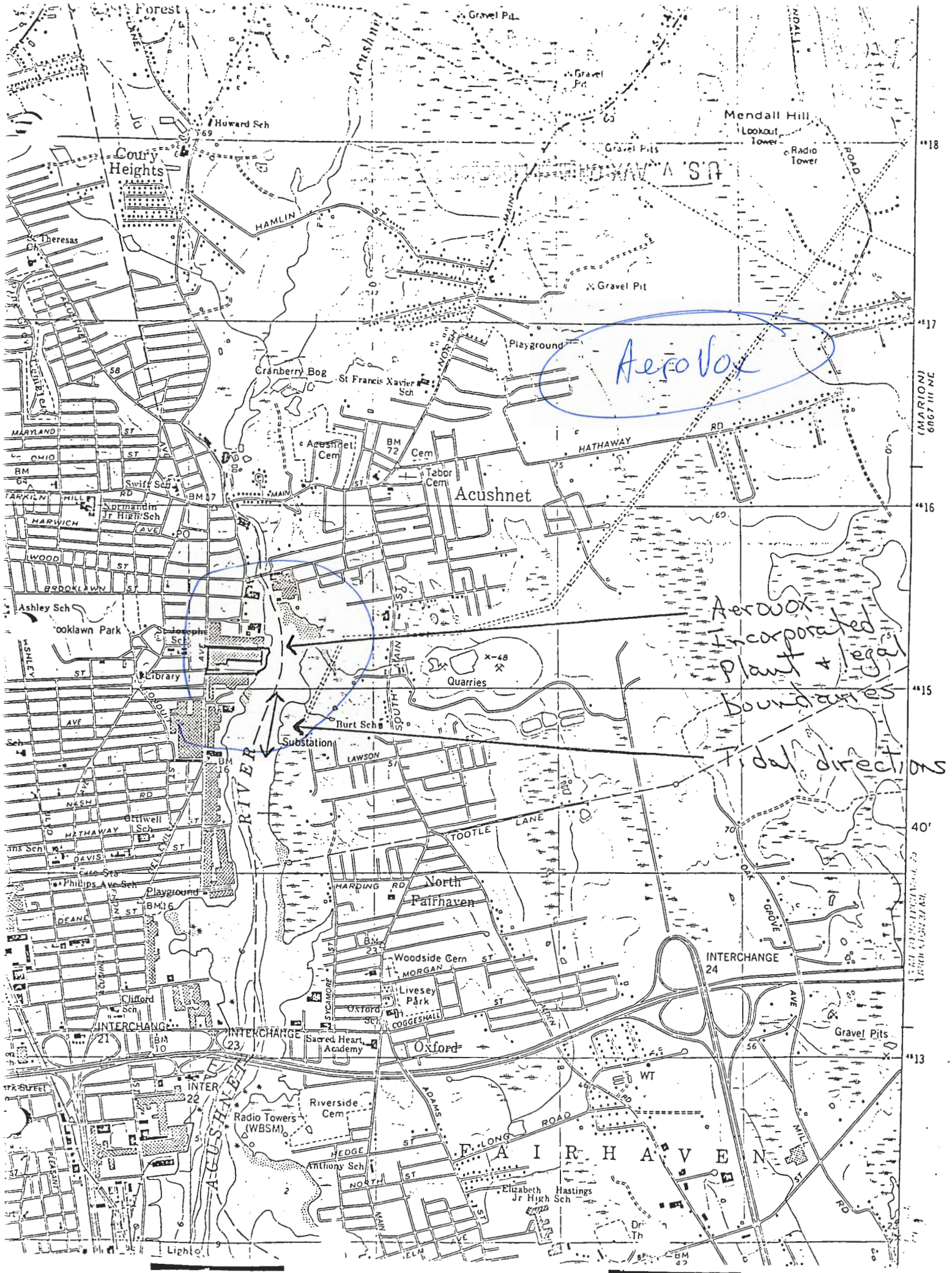
OFFICIAL USE ONLY *(effluent guidelines sub-categories)*

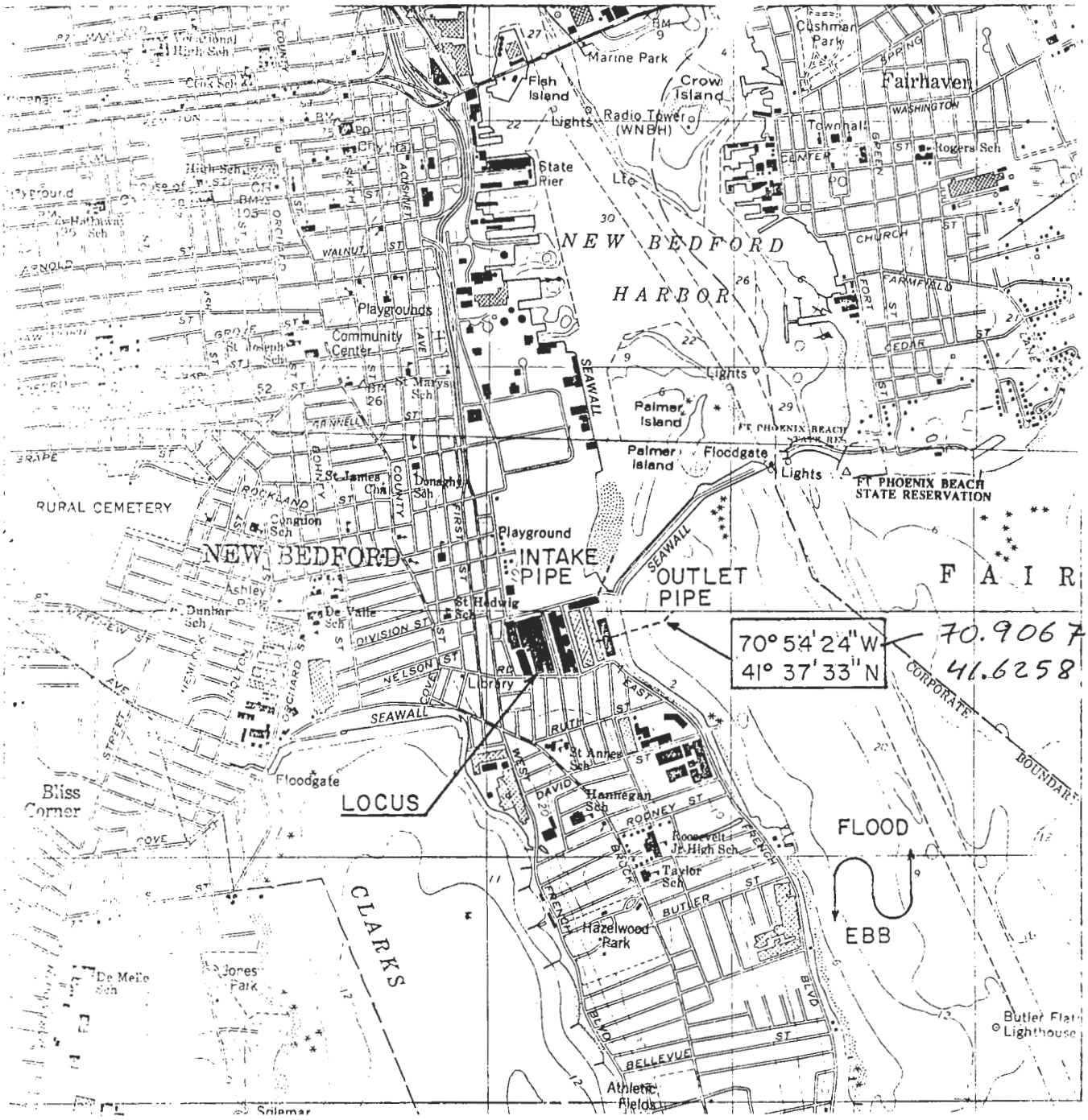
Continued from page 4.

Form Approved OMB No. 158-S80004

V. FACILITY DRAWING (see page 4)




Forest
Gravel Pit
Howard Sch
Mendall Hill
Lookout Tower
Radio Tower
Coury Heights
Gravel Pits
HAMLIN ST
Theresas
Gravel Pit
Playground
AeroVox
Cranberry Bog
St Francis Xavier Sch
Acushnet Cem
BM 72
Cem
Tabor Cem
HATHAWAY RD
Acushnet
Swift Sch
Jr High Sch
HARWICH AVE
WOOD ST
BROOKLAWN ST
Ashley Sch
Brooklawn Park
Library
Quarries
Aerovox Incorporated Plant + legal boundaries
Tidal directions
Burt Sch
Substation
LAWSON ST
RIVER
Ottiwell Sch
HATHAWAY RD
TOOTLE LANE
DAVIS ST
Phillips Ave Sch
Playground
HARDING RD
North Fairhaven
Woodside Cem
MORGAN ST
INTERCHANGE 24
Livesey Park
Clifford Sch
Oxford Sch
COGGESHALL ST
INTERCHANGE 21
INTERCHANGE 23
Sacred Heart Academy
Oxford
Gravel Pits
WT
Riverside Cem
Radio Towers (WBSM)
ADAMS RD
LONG ROAD
HEDGE ST
Anthony Sch
NORTH ST
FAIRHAVEN
Elizabeth Jr High Sch
Hastings
Light
ACUSHNET
(MARION) 6867 III NE
18
17
16
15
40'
13



ID 17

SCALE - 1:25,000

1000 0 1000 2000 3000 FT.

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

USGS MAP, NORTH & SOUTH NEW BEDFORD, MASS. QUADS

LOCATION MAP

BERKSHIRE HATHAWAY INC.
97 COVE ST.
NEW BEDFORD, MASS.

PREPARED BY TIBBETTS ENGINEERING CORP NEW BEDFORD

NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act, as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§26-53),

Cornell-Dubilier Electronics Company

is authorized to discharge from the facility located at

1605 East Rodney French Blvd.
New Bedford, MA 02744

to receiving waters named

Fort Phoenix Reach, Acushnet River Estuary, Lower New Bedford Harbor

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective 30 days from the date of signature.

This permit and the authorization to discharge expire at midnight, three (3) years from the date of issuance.

This permit supersedes the permit issued on December 30, 1976.

This permit consists of 10 pages in Part I including effluent limitations, monitoring requirements, etc., and 19 pages in Part II including General Conditions and Definitions.

Signed this 28 day of September 1989

Director
Water Management Division
Environmental Protection Agency
Region I
Boston, MA

Acting

Acting Director, Division of Water Pollution Control
Department of Environmental Quality Engineering
Commonwealth of Massachusetts
Boston, MA

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the expiration date the permittee is authorized to discharge from outfall serial number 001 (non-contact cooling water, boiler blowdown and condensate).

a. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow, MGD	Report	Report	Continuous	Meter
Temperature, °F	-	90°F	2/Month	Grab
Oil and Grease	15 mg/l	15 mg/l	2/Month	Grab
PCB's, total	1.0 ug/l	2.0 ug/l	2/Month	Grab

b. The pH shall not be less than 6.5 standard units nor greater than 8.5 standard units and shall be monitored 2/month by grab sample.

c. There shall be no discharge of floating solids or visible foam in other than trace amounts.

d. The permittee shall not achieve the specified permit limitations by dilution.

e. Representative samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: point of discharge.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning on the effective date and lasting through the expiration date the permittee is authorized to discharge from outfall serial number 002 (catch basin located @ center of parking lot between the Annex & Building D) storm runoff.

a. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow, MGD	Report	Report	2/Month	Daily Avg.
Oil and Grease	15 mg/l	15 mg/l	2/Month	Grab
*PCB's, total	*4.0 ug/l	6.0 ug/l	2/Month	Grab

b. The pH shall not be less than 6.5 standard units nor greater than 8.5 standard units, unless due to natural causes, and shall be monitored 2/month by grab sample.

c. There shall be no discharge of floating solids or visible foam in other than trace amounts.

d. The permittee shall not achieve the specified permit limitations by dilution.

e. Representative samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: catch basin located @ center of parking lot between the Annex & Building D.

* The permittee may average the sampling data for three consecutive months (the current month plus the two previous months) to calculate a three month moving average for total PCB at outfall 002. This three month moving average shall be reported on each monthly DMR. The limitation for this moving average is 4.0 ug/l total PCB.

3. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

   a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

      (1) One hundred micrograms per liter (100 ug/l);

      (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one

      milligram per liter (1 mg/l) for antimony;

      (3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

      (4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

   b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

      (1) Five hundred micrograms per liter (500 ug/l);

      (2) One milligram per liter (1 mg/l) for antimony;

      (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

      (4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

   c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

4. REQUIRED STUDIES

a. 001 DISCHARGE STUDY

The permittee shall conduct a comprehensive study of PCB contamination of all discharges at the facility contributing to the 001 discharge (cooling water, boiler blowdown, condensate, etc.). The objective of the study is to determine the sources of PCB contamination in these wastestreams, and their relative contribution to the final discharge. The results of past studies and monitoring programs are unacceptable, but may be submitted as supplemental information. The study shall be completed by December 15, 1989. On or before that date, the permittee shall submit a final report describing the results of the study, and making recommendations for enacting measures to mitigate PCB contamination of these wastestreams, with the ultimate goal of reducing and eventually eliminating all PCB discharges from the facility. All data obtained as a result of the study (i.e. "raw data") shall be submitted in addition to data summaries.

Information obtained from this study may be incorporated into the Best Management Practices (BMP) plan for the facility (see part B).

b. STORMWATER STUDY

The permittee shall conduct a comprehensive study of PCB contamination of stormwater at the facility. The objective of the study is to determine the concentrations, sources and patterns of PCB contamination of stormwater at the site. A minimum of six storm events must be monitored, with a minimum of five representative sample locations on the site which will be sampled during each of the test storm events. Results of permit requirement I.A.2.a., above, may be used as one of the five samples per storm event. The results of past studies and monitoring programs are unacceptable, but may be submitted as supplemental information. The study shall be completed by December 15, 1989. On or before that date, the permittee shall submit a final report describing the results of the study, and making recommendations for enacting measures to mitigate PCB contamination of stormwater, with the ultimate goal of reducing and eventually eliminating all PCB discharges from the site. All data obtained as a result of the study (i.e. "raw data") shall be submitted in addition to data summaries.

Information obtained from this study may be incorporated into the Best Management Practices (BMP) plan for the facility (see part B).

5. EPA and DEQE reserve the right to modify, or revoke and reissue, this permit on the basis of new information received concerning the facility. This information may include, but is not limited to, information received as a result of the monitoring programs and studies required in this permit.

B. BEST MANAGEMENT PRACTICES (BMP) PLAN

1. The permittee shall develop and implement a Best Management Practices (BMP) plan, as approved and/or modified by EPA and DEQE, which achieves the stated objectives and which conforms to the following requirements:

   a. General Objectives

      The objectives of the plan are to minimize the potential for violations of the terms of the permit, to protect the designated water uses of the surrounding water bodies, and to mitigate pollution from materials storage areas, site runoff, improper use of the waste disposal system, accidental spillage, etc.

   b. Implementation

      An approvable BMP plan shall be developed within 90 days of the effective date of this permit and submitted to EPA and DEQE for approval. Implementation of all aspects of the plan shall commence no later than one year after the approval date of the plan.

   c. General Requirements

      The BMP plan shall:

      (1) Be documented in narrative form, and shall include any necessary plot plans, drawings or maps.

      (2) Establish specific objectives for the control of toxic and hazardous pollutants.

         (a) Each facility component or system will be examined for its potential for causing a release of significant amounts of toxic or hazardous pollutants to waters of the United States due to equipment failure, improper operation, natural phenomena such as rain or snowfall etc.

             Locations at which bypasses of the treatment system may occur as well as projected conditions under which a bypass may be necessary will be submitted.

         (b) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural condition (e.g., precipitation), or other circumstances to result in significant amounts of toxic or hazardous pollutants reaching surface waters, the plan shall include a prediction of the direction, rate of flow and total quantity of toxic or hazardous pollutants

which could be discharged from the facility as a result of each condition or circumstance.

(3) Establish specific best management practices to meet the objectives identified under Paragraph B.1.c.(2) of this section, addressing each component or system capable of causing a release of significant amounts of pollutants to the waters of the United States. For example, specific practices to minimize and/or control the use of bypasses shall be outlined; prohibitions on the use of pesticides, herbicides, fertilizers or other toxic, hazardous or harmful substances, shall be identified; prohibitions on the dumping of solvents, fuel or motor oil, etc. onto the ground, parking areas or into the waste treatment system shall be identified.

(4) Establish specific best management practices for application during the construction of the development, to minimize the impact of construction on the receiving water. For example, specific practices to minimize adverse water quality impacts from site runoff, erosion, hazardous substances, spills, etc. shall be identified.

(5) Be reviewed by plant engineering staff and the plant manager.

d. Specific Requirements

The plan shall be consistent with the general guidance contained in the publication entitled "NPDES Best Management Practices Guidance Document" and shall include the following base line BMP's as a minimum:

(1) BMP Committee
(2) Reporting of BMP Incidents
(3) Risk Identification and Assessment
(4) Employee Training on allowable uses of the waste disposal system
(5) Inspections and Records
(6) Preventive Maintenance
(7) Good Housekeeping
(8) Materials Compatibility
(9) Security

e. SPCC Plans

The BMP plan may reflect requirements for Spill Prevention Control and Countermeasure (SPCC) plans under section 311 of the Act and 40 CFR Part 112, and may incorporate any part of such plans into the BMP plan by reference.

f. Hazardous Waste Management

The permittee shall assure the proper management of solid and hazardous waste in accordance with regulations promulgated under the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1978 (RCRA) (40 U.S.C. 6901 et seq), or amendments thereto. Management practices required under RCRA regulations shall be referenced in the BMP plan.

g. Documentation

The permittee shall maintain a description of the BMP plan at the facility and shall make the plan available to EPA and DEQE upon request.

h. BMP Plan Modification

Within 30 days of a change in the facility or a change in the operation of the facility which materially increases the potential for the ancillary activities to result in a discharge of significant amounts of hazardous or toxic pollutants, the permittee shall submit to EPA and DEQE an approvable amended BMP plan.

i. Modification for Ineffectiveness

If the BMP plan proves to be ineffective in achieving the general objective of preventing the release of significant amounts of toxic or hazardous pollutants to surface waters and the specific objectives and requirements under Paragraphs B.1.c.(2), (3) and (4) above, the permit and/or the BMP plan shall be subject to modification to incorporate revised BMP requirements.

C. MONITORING AND REPORTING

1. Reporting

Monitoring results obtained during the previous month shall be summarized for each month and reported on the Discharge Monitoring Report Form (DMR), postmarked no later than the 28th day of the month following the completed period.

A signed copy of this, and all other reports required herein, shall be submitted to the State at the following address:

Permit Compliance Section
Compliance Branch
Water Management Division
Environmental Protection Agency
P.O. Box 8127
Boston, MA 02114

Duplicate signed copies of all monitoring reports shall be submitted to the State at:

Massachusetts Department of Environmental Quality Engineering
Massachusetts Division of Water Pollution Control
Southeastern Regional Office
Lakeville Hospital
Lakeville, Massachusetts 02346

igned copies of all other notifications and reports required y this permit shall be submitted to the State at:

Mas chusetts Department of Environmental Quality Engineering
Massachusetts Division of Water Pollution Control
Regulatory Branch
1 Winter Street
Boston, Massachusetts 02108

D. STATE PERMIT CONDITIONS

This Discharge Permit is issued jointly by the U. S. Environmental Protection Agency and the Division of Water Pollution Control under Federal and State law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Director of the Massachusetts Division of Water Pollution Control pursuant to M.G.L. Chap. 21, §43.

Each Agency shall have the independent right to enforce the terms and conditions of this Permit. Any modification, suspension or revocation of this Permit shall be effective only with respect to the Agency taking such action, and shall not affect the validity or status of this Permit as issued by the other Agency, unless and until each Agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this Permit is declared, invalid, illegal or otherwise issued in violation of State law such permit shall remain in full force and effect under Federal law as an NPDES Permit issued by the U. S. Environmental Protection Agency. In the event this Permit is declared invalid, illegal or otherwise issued in violation of Federal law, this Permit shall remain in full force and effect under State law as a Permit issued by the Commonwealth of Massachusetts.

State Permit No.
Federal Permit No.MA0003930

MODIFICATION OF
AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act, as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§26-53),

Cornell-Dubilier Electronics Company

is authorized to discharge in accordance with effluent limitations, monitoring requirements and other conditions set in the previous permit, except as set forth herein and listed as follows:

Pages 2 of 10, Paragraph A.1.
" 2a of 10, Paragraph A.1. (contd)
" 5 of 10, Paragraph A.4.
" 5a of 10, Paragraph A.4. (contd)
" 6 of 10, Paragraph B.1.

This modifies the permit issued on September 22, 1989.

This permit modification shall become effective 30 days after the date of signature.
This permit modification and the authorization to discharge shall expire at midnight, September 22, 1992.

Signed this 2nd day of July, 1990

Director
Water Management Division
Environmental Protection Agency
Region I
Boston, MA

Director, Division of Water Pollution Control
Department of Environmental Protection
Commonwealth of Massachusetts
Boston, MA

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the expiration date the permittee is authorized to discharge from outfall serial number 001A (non-contact cooling water) to Acushnet River Estuary, Lower New Bedford Harbor

a. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Average Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow, GPD	Report	Report	Continuous	Meter*
pH	(See I.A.1.b)		2/Month	Grab
Temperature	-	90° F	2/Month	Composite
Oil & Grease	15 mg/l	15 mg/l	2/Month	Grab
PCBs, total	1.0 ug/l	2.0 ug/l	2/Month	Grab

* Flow estimation is allowed until completion of installation of flow meters. Meters shall be installed no later than sixty (60) days from the effective date of permit modification.

b. The pH shall not be less than 6.5 standard units nor greater than 8.5 standard units and shall be monitored 2/month by grab sample.

c. There shall be no discharge of floating solids or visible foam or sheen in other than trace amounts.

d. The permittee shall not achieve the specified permit limitations by dilution.

e. Representative samples shall be taken in compliance with the monitoring requirements specified above shall be taken at the point of discharge.

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the expiration date the permittee is authorized to discharge from outfall serial number 001B (boiler blowdown)

f. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Average Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow, GPD	Report	Report	Daily	Estimate

g. The pH shall not be less than 6.5 standard units nor greater than 8.5 standard units and shall be monitored at the outfall 001A point of discharge as pH for the total discharge.

h. There shall be no discharge of floating solids or visible foam or sheen in other than trace amounts.

i. Representative samples shall be taken in compliance with the monitoring requirements specified above shall be taken at the 001A point of discharge.

4. REQUIRED STUDIES

A. 001 DISCHARGE STUDY

The permittee has initiated a repiping project with the intent of eliminating the discharge of residual PCBs which may be present in the old piping. The need still exists to eliminate PCB discharges from this facility. The objective of this study is to determine the effectiveness of the repiping project in attaining the ultimate goal of no PCB discharges from this facility. The study shall commence upon completion of the repiping project and continue for six (6) months but not to exceed eight (8) months from the effective date of the modification. The permittee shall monitor the outfall at the point of discharge for PCBs once (1) a week. The permittee shall submit a final report no later than thirty (30) days from the completion of the study to EPA and DEP. The report shall include all raw data, a data summary, and, if PCBs are still detected, a plan to conduct a comprehensive study of all contributions to the 001 discharge to determine the sources of PCB contamination.

Information obtained from this study may be used to develop or update the Best Management Practices (BMP) Plan for this facility.

B. STORMWATER STUDY

01
9007
10/31/90
21599

The permittee shall conduct a comprehensive study of PCB contamination of the stormwater at this facility. The objective of the study is to determine the concentrations, sources and patterns of PCB contamination at the site. A minimum of six storm events must be monitored, with a minimum of five representative sample locations on the site which will be sampled during each of the test storm events. The results of past studies and monitoring programs may be submitted as supplemental information only. The study shall be completed no later than 90 days from the effective date of the permit modification. On or before that date, the permittee shall submit a final report describing the results of the study, and making recommendations for enacting measures to mitigate PCB contamination of stormwater, with the ultimate goal of eliminating all PCB discharges from the site due to stormwater. All data obtained as a result of the study (i.e. "raw data") shall be submitted in addition to data summaries.

The permittee may request an additional 60 days, should the area not experience six storm events in the allotted time.

Information obtained from this study may be incorporated into the Best Management Practices (BMP) Plan for this facility.

5. EPA and DEP reserve the right to modify, or revoke and reissue this permit on the basis of new information received concerning this facility. This information may include, but is not limited to, information received as a result of the monitoring programs and studies required under this permit.

B. BEST MANAGEMENT PRACTICES (BMP) PLAN

1. The permittee shall develop and implement a Best Management Practices (BMP) Plan, as approved and/or modified by EPA and DEP, which achieves the stated objectives and conforms to the following requirements:

a. General Objectives

The objectives of the plan are to minimize the potential for violations of the terms of the permit, to protect the designated water uses of the surrounding water bodies, and to mitigate pollution from materials storage areas, site runoff, improper use of the waste disposal system, accidental spillage, etc.

b. Implementation

An approvable BMP plan shall be developed no later than ninety (90) days from the effective date of the permit modification and submitted to EPA and DEP for approval. Implementation of all aspects of the plan shall commence no later than one year after the approval date of the plan.

c. General Requirements

The BMP Plan shall:

(1) Be documented in narrative form and shall include any necessary plot plans, drawings or maps.

(2) Establish specific objectives for the control of toxic and hazardous pollutants.

(a) Each facility component or system will be examined for its potential for causing a release of significant amounts of toxic or hazardous pollutants to waters of the United States due to equipment failure, improper operation, natural phenomena such as rainfall, snow, etc.
Locations at which bypasses of the treatment system may occur as well as projected conditions under which a bypass may be necessary will be submitted.

(b) Where experience indicates a reasonable potential for equipment failure, natural condition, or other circumstances to result in significant amounts of toxic or hazardous pollutants reaching surface waters, the plan shall include a prediction of the direction, rate of flow and total quantity of toxic or hazardous pollutants (continued on page 7 of 10)

-ID 5

Please print or type in the unshaded areas only.

D. NUMBER (copy from Item 1 of Form 1)
AD00128745

orm Approved OMB No. 158-R0173

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

TFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE 1. DEG.	2. MIN.	3. SEC.	C. LONGITUDE 1. DEG.	2. MIN.	3. SEC.	D. RECEIVING WATER (name)
001	41	36	50	70	54	34	Discharge to City of New Bedford, storm sewer CMH #894. City of New Bedford storm sewer discharges to Fort Phoenix Reach.
D.D.	41.6139			70.9094		Map OK	Cornell Dubier Electronics

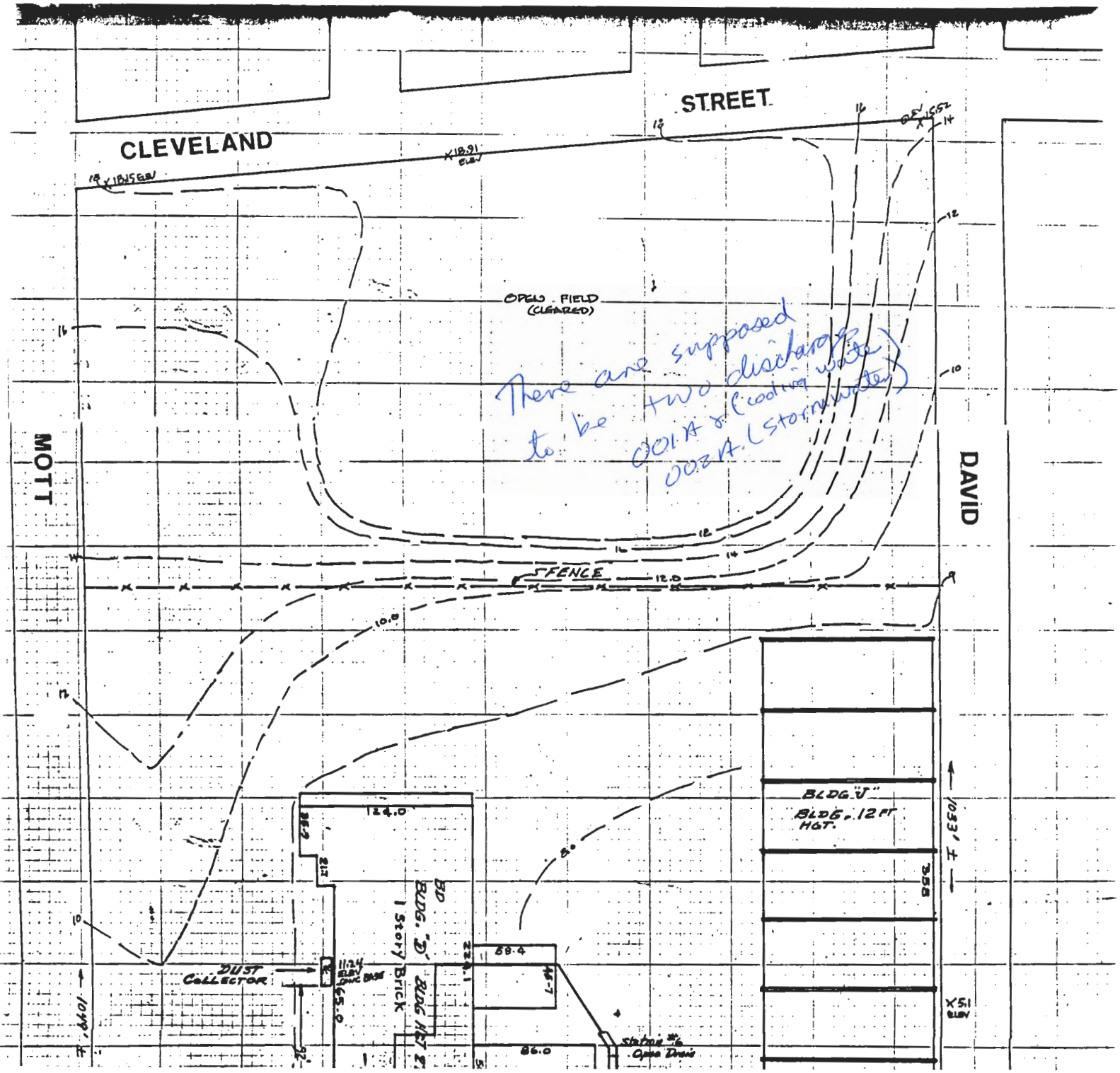
II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined *(e.g., for certain mining activities)*, provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW a. OPERATION (list)	b. AVERAGE FLOW (include units)	3. TREATMENT a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Closed system cooling water, vacuum pumps and degreaser	48000 GPD	None	XX	XX
001	Closed system cooling water from spotwelders and one degreaser	9100 GPD	None	XX	XX
001	Compressor cooling water, condensate from oil & feed-water heaters and boiler room under floor drainage	22600 GPD	None	XX	XX
001	Boiler blowdown	1500 GPD	None	XX	XX
001	Roof runoff	Unknown	None	XX	XX

OFFICIAL USE ONLY *(effluent guidelines sub-categories)*


CLEVELAND
STREET
MOTT
DAVID
OPEN FIELD
(CLEARED)
FENCE
There are supposed to be two discharge 001A & (cooling water) 002A (stormwater)
BLDG. "J"
BLDG. 12 FT HGT.
BLDG. "D"
1 Story Brick
BLDG HT 3
124.0
88.4
86.0
DUST COLLECTOR
Station #6 Open Drain
1093' ±
1099' ±

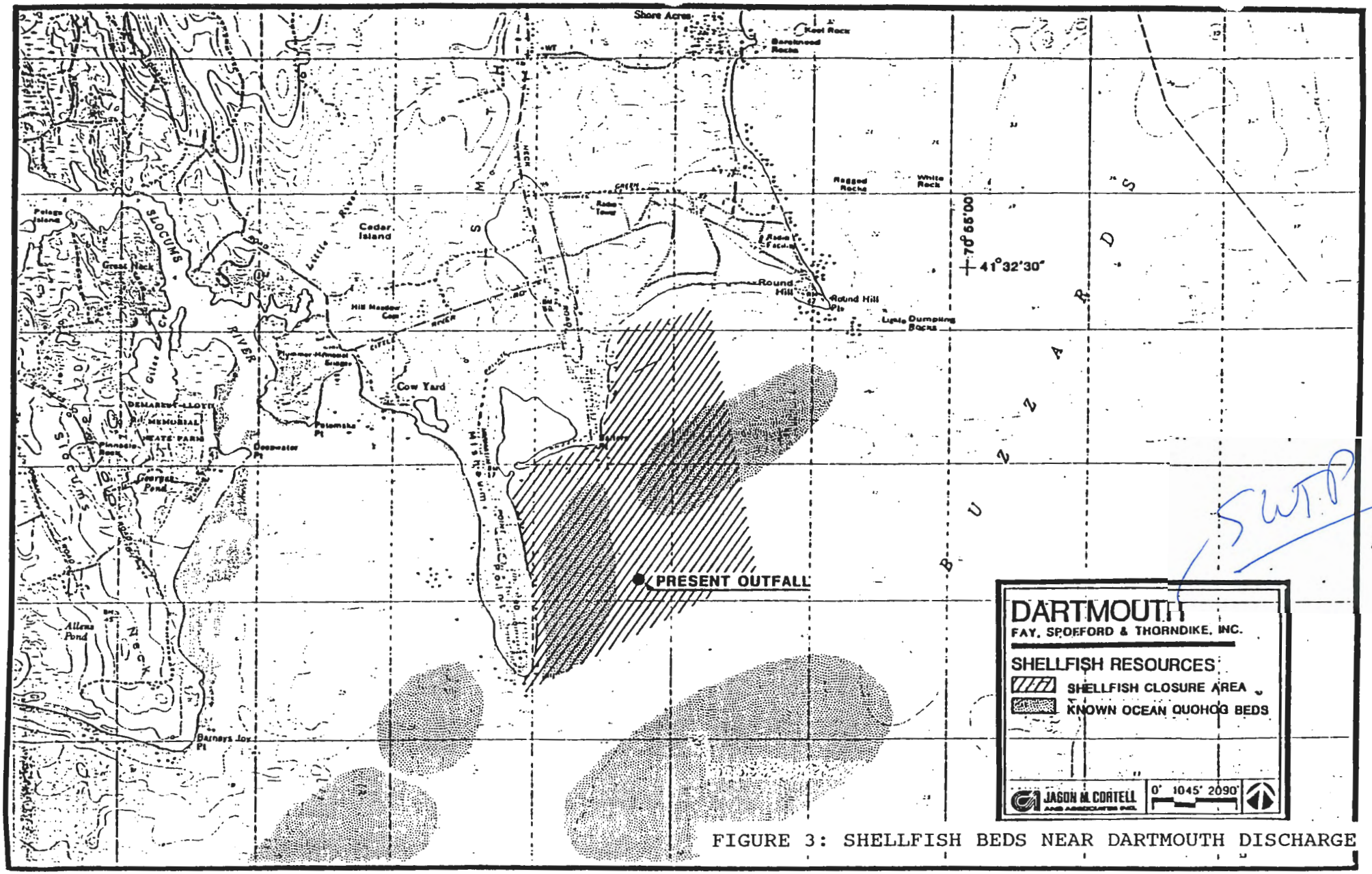
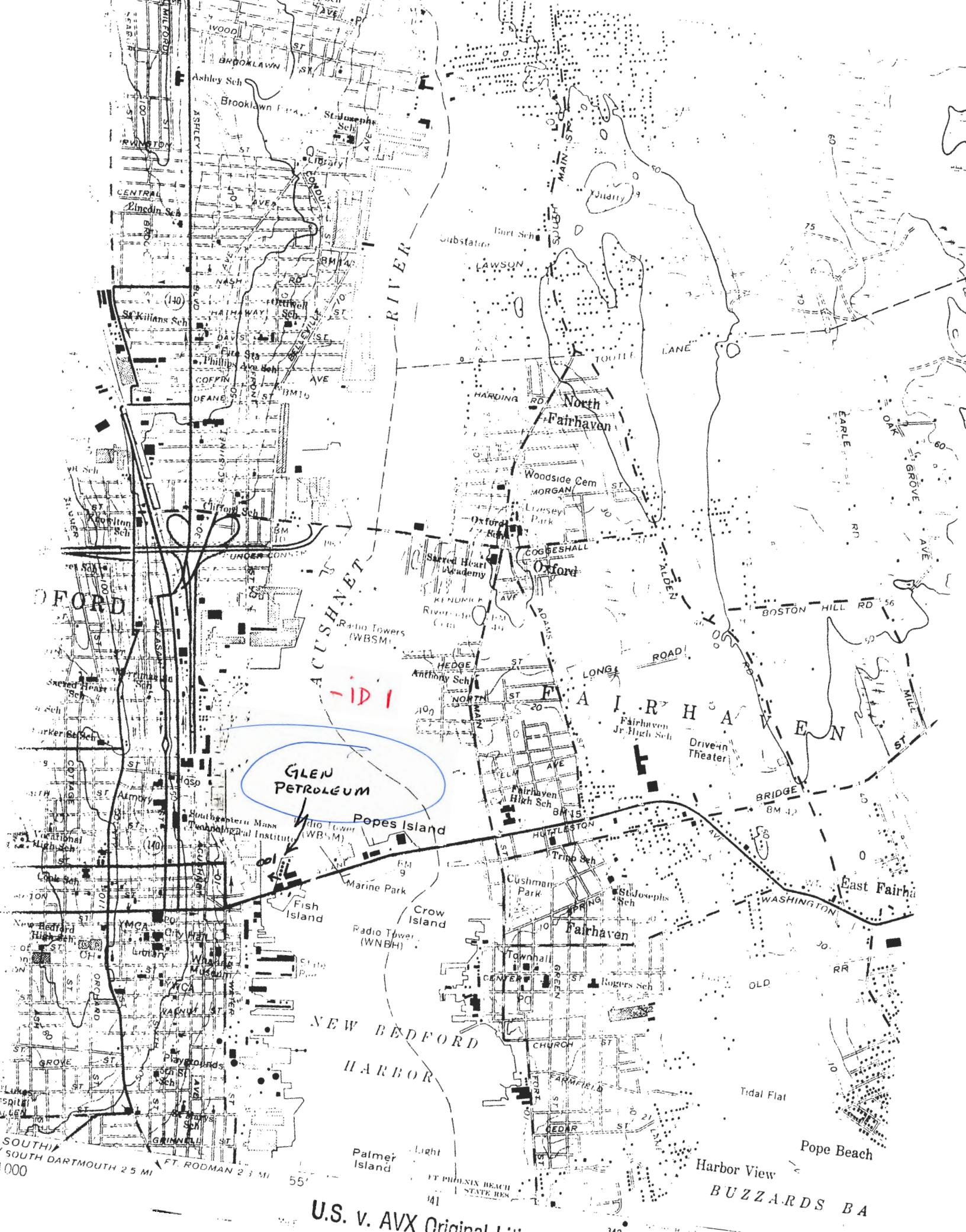


FIGURE 3: SHELLFISH BEDS NEAR DARTMOUTH DISCHARGE

SWTP

-1D 12


GLEN PETROLEUM
Popes Island
Fish Island
Crow Island
Marine Park
Palmer Island
NEW BEDFORD HARBOR
ACUSHNET RIVER
FAIRHAVEN
North Fairhaven
Oxford
Fairhaven
East Fairhaven
Harbor View
Pope Beach
Tidal Flat
BUZZARDS BA
Radio Towers (WBSM)
Radio Tower (WNBH)
Southeastern Mass Technological Institute
Fairhaven High Sch
Fairhaven Jr High Sch
Drive-in Theater
Cushman Park
Woodside Cem
Sacred Heart Academy
Anthony Sch
Trinp Sch
St Joseph's Sch
Rogers Sch
Townhall
Whaling Museum
Armory
Library
YMCA
Playgrounds
Ashley Sch
Brooklawn Park
St Joseph's Sch
Lincoln Sch
St Killians Sch
Phillips Ave Sch
Cuttwell Sch
Clifton Sch
Parker St Sch
Sacred Heart Sch
Vocational High Sch
Cole Sch
New Bedford High Sch
Substation
Quarry
Fort Sch
Lawson
Hathaway
Davis
Coffin
Deane
Under Construction
Hedge
North
Huttleston
Bridge
Washington
Boston Hill Rd
Long Road
Tootle Lane
Harding Rd
Morgan
Cogeshall
Earle
Oak
Grove
Mill
Old
Rr
Ft. Rodman 2.3 Mi
South Dartmouth 2.5 Mi
Ft Phoenix Beach State Res
Light
55
341
342

NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

MASSACHUSETTS DIVISION OF
WATER POLLUTION CONTROL
COMMONWEALTH OF MASSACHUSETTS
1 WINTER STREET
BOSTON, MASSACHUSETTS 02108

U.S. ENVIRONMENTAL PROTECTION AGENCY
WATER MANAGEMENT DIVISION
WASTEWATER MANAGEMENT BRANCH
REGION I
BOSTON, MASSACHUSETTS 02203

JOINT PUBLIC NOTICE OF A DRAFT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT TO DISCHARGE INTO THE WATERS OF THE UNITED STATES UNDER SECTION 301 AND 402 OF THE CLEAN WATER ACT (THE "ACT"), AS AMENDED, AND REQUEST FOR STATE CERTIFICATION UNDER SECTION 401 OF THE ACT.

DATE OF NOTICE: JUNE 28, 1993

PERMIT NUMBER: MA0029092

STATE PERMIT NO.: M-

PUBLIC NOTICE NUMBER: MA-046-93

NAME AND MAILING ADDRESS OF APPLICANT:

Logan C. Clarke
Lobster Trap Company
290 Shore Road
Bourne, MA 02532

NAME AND ADDRESS OF THE FACILITY WHERE DISCHARGE OCCURS:

290 Shore Road
Bourne, MA 02532

RECEIVING WATER: Back River

RECEIVING WATER CLASSIFICATION: SA

PREPARATION OF THE DRAFT PERMIT:

The U.S. Environmental Protection Agency, (EPA) and the Massachusetts Division of Water Pollution Control have cooperated in the development of a draft permit for the above identified facility. The effluent limits and permit conditions imposed have been drafted to assure that State Water Quality Standards and provisions of the Clean Water Act will be met. This permit contains sludge conditions intended to implement Section 405(d) of the CWA. EPA has formally requested that the State certify the draft permit pursuant to Section 401 of the Clean Water Act and expects that the draft permit will be certified.

INFORMATION ABOUT THE DRAFT PERMIT:

A fact sheet or a statement of basis (describing the type of facility; type and quantity of wastes; a brief summary of the basis for the draft permit conditions; and significant factual, legal and policy questions considered in preparing the draft permit) may be obtained at no cost by writing or calling EPA's contact person named below:

Leona April Hulsman
EPA Wastewater Management Branch, WMM
JFK Federal Building
Boston, Massachusetts 02203
Telephone: 617/565-4877

The administrative record containing all documents relating to the draft permit is on file and may be inspected at the EPA Boston office mentioned above between 9:00 a.m. and 5:00 p.m., Monday through Friday, except holidays.

PUBLIC COMMENT AND REQUEST FOR PUBLIC HEARING:

All persons, including applicants, who believe any condition of the draft permit is inappropriate, must raise all issues and submit all available arguments and all supporting material for their arguments in full by JULY 27, 1993 , to the U.S. EPA, Wastewater Management Branch, JFK Federal Building, Boston, Massachusetts 02203. Any person, prior to such date, may submit a request in writing to EPA and the State Agency for a public hearing to consider the draft permit. Such requests shall state the nature of the issues proposed to be raised in the hearing. A public hearing may be held after at least thirty days public notice whenever the Regional Administrator finds that response to this notice indicates significant public interest. In reaching a final decision on the draft permit the Regional Administrator will respond to all significant comments and make these responses available to the public at EPA's Boston office.

FINAL PERMIT DECISION AND APPEALS:

Following the close of the comment period, and after a public hearing, if such hearing is held, the Regional Administrator will issue a final permit decision and forward a copy of the final decision to the applicant and each person who has submitted written comments or requested notice. Within 30 days following the notice of the final permit decision any interested person may submit a request for a formal hearing to reconsider or contest the final decision. Requests for formal hearings must satisfy the requirements of 40 C.F.R. §124.74, 48 Fed. Reg. 14279-14280 (April 1, 1983).

BRIAN DONAHOE
DIRECTOR
MASSACHUSETTS DIVISION OF
WATER POLLUTION CONTROL

DAVID A. FIERRA, DIRECTOR
WATER MANAGEMENT DIVISION
ENVIRONMENTAL PROTECTION
AGENCY

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act, as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§26-53),

Lobster Trap Company
290 Shore Road
Bourne, MA 02532

is authorized to discharge from the facility located at

290 Shore Road
Bourne, MA 02532

to receiving waters named

Back River

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective

This permit and the authorization to discharge expire at midnight, five (5) years from the effective date.

This permit consists of 5 pages in Part I including effluent limitations, monitoring requirements, etc., and 22 pages in Part II including General Conditions and Definitions.

Signed this day of .

Director Water Management Division Environmental Protection Agency Region I Boston, MA	Director, Division of Water Pollution Control Department of Environmental Protection Commonwealth of Massachusetts

DRAFT

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the expiration date the permittee is authorized to discharge process wastewater from outfall serial number 001.

a. Such discharges shall be limited and monitored by the permittee as specified below for Discharge 001 for the full calendar year:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Average Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow, GPD	------	7456	Weekly	Continuous
pH, S. U. [1]	Report	(See Part I,A.1.b.)	Weekly	Grab
Fecal Coliform MPN/100ml		(See Part 1.A.1.C)	2/month	Grab
TSS,mg/l	30		2/month	Composite*2
BOD,mg/l	30		2/month	Composite*2

b. The pH shall be in the range of 6.5 - 8.5 standard units and not more than 0.2 standard units outside of the normally occurring range. There shall be no change from background conditions that would impair any use asigned to this class.
c. The discharge shall not exceed a geometric mean MPN of 14 organisms per 100 ml, nor shall more than 10 percent of the samples exceed a MPN of 43 per 100 ml.
d. There shall be no discharge of floating solids, oil sheen or visible foam in other than trace amounts.
e. The discharge shall be free from floating, suspended and settleable solids in concentrations or combinations, that would impair any use assigned to a Class SA waterbody that would cause aethetically objectionable conditons, or that would impair the benthic biota or degrade the chemical composition of the bottom.
f. The discharge shall be free from oil and grease and petrochemicals.
g. Samples taken in compliance with the monitoring requirements specified shall be taken at the following location: Outfall 001.

Footnote
1. State certification requirement
2. Composite samples shall be comprised of hourly grab samples taken throughout a normal working day when effluent discharge occurs.

2. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) One hundred micrograms per liter (100 ug/l);

(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitro phenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l for antimony;

(3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

(4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) Five hundred micrograms per liter (500 ug/l);

(2) One milligram per liter (1 mg/l) for antimony;

(3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

(4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

3. No components of the effluent shall result in any demonstrable harm to aquatic life or violate any water quality standard which has been or may be promulgated. Upon promulgation of such standards, this permit may be revised or amend in accordance with such standards, with the permittee being so notified.

4. This permit may be modified, or revoked and reissued, on the basis of new information in accordance with 40 C.F.R. 122.62. The permittee shall notify EPA and the State of any conditions or other chemicals which they introduce, or intend to introduce into their discharge.

5. There shall be no discharge of untreated wastewaters resulting from cleaning accumulated solids in the associated equipment.

6. The disposal of solid waste materials from the facility shall comply with the appropriate State and local statutes.

B. BMP

The permittee shall develop and implement a Best Management Practices (BMP) Plan in accordance with Attachment A of this permit. The plan shall be submitted to EPA and DEP no later than 60 days from the effective date of the permit.(attach A)

C. MONITORING AND REPORTING

Monitoring results obtained during the previous month shall be summarized for each month and reported on separate Discharge Monitoring Report Form(s) (DMR's) postmarked no later than the 15th day of the month following the effective date of the permit.
Duplicate signed copies of all Discharge Monitoring Reports and all other reports required herein, shall be submitted to the Director at the following address:

U.S. Environmental Protection Agency
NPDES Program Operation Section
P.O. Box 8127
Boston, Massachusetts 02114

Duplicate signed copies of all the Discharge Monitoring Reports and all other reports required herein, shall be submitted to the State at the following address:

Massachusetts Department of Environmental Protection
Massachusetts Division of Water Pollution Control
Lakeville Hospital
Maine Street
Lakeville, MA 02346

DRAFT

Copies of all DMR's shall be submitted to the following address:

Massachusetts Department of Environmental Protection
Office of Watershed Management
Massachusetts Division of Water Pollution Control
PO Box 116
North Grafton, Massachusetts 01536

Signed copies of all notifications and reports required by this permit, excluding DMR's, shall be submitted to the State at:

Massachusetts Department of Environmental Protection
Massachusetts Division of Water Pollution Control
Regulatory Branch
1 Winter Street
Boston, Massachusetts 02108

D. STATE PERMIT CONDITIONS

1. This Discharge Permit is issued jointly by the U. S. Environmental Protection Agency (EPA) and the Division of Water Pollution Control under Federal and State law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Director of the Massachusetts Division of Water Pollution Control pursuant to M.G.L. Chap. 21, §43.

2. Each Agency shall have the independent right to enforce the terms and conditions of this Permit. Any modification, suspension or revocation of this Permit shall be effective only with respect to the Agency taking such action, and shall not affect the validity or status of this Permit as issued by the other Agency, unless and until each Agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this Permit is declared, invalid, illegal or otherwise issued in violation of State law such permit shall remain in full force and effect under Federal law as an NPDES Permit issued by the U.S. Environmental Protection Agency. In the event this Permit is declared invalid, illegal or otherwise issued in violation of Federal law, this Permit shall remain in full force and effect under State law as a Permit issued by the Commonwealth of Massachusetts.

DRAFT

(A)

B. BEST MANAGEMENT PRACTICES (BMP) PLAN

The permittee shall develop and implement a Best Management Practices (BMP) plan which achieves the stated objectives and which conforms to the following requirements:

1. General Conditions

a. General Objectives

The objectives of the BMP plan are to minimize the potential for violations of the terms of the permit. Cleaning screens, and other equipment and disposing of the solid waste. To protect the designated water uses of the surrounding surface water bodies; and to mitigate pollution from materials storage areas, in-plant transfer, process and materials handling areas, loading and unloading operations, plant site runoff and accidental spillage. Both wet-weather and dry-weather conditions are to be considered in the BMP plan.

b. Implementation

A BMP plan shall be developed within 60 days of the effective date of the permit, signed by the permittee, and retained on site. All aspects of the BMP plan which do not require construction shall be implemented on the filing date of the BMP plan (180 days after the effective date of the permit). All construction required by the BMP plan shall be completed and the facilities placed in operation within 21 months of the effective date of the permit or at a later date as may be approved in writing by the Regional Administrator and the Director. All other requirements and conditions shall be implemented upon completion of the respective construction, or within 21 months of the effective date of the permit or at a later date as may be approved in writing by the Regional Administrator and the Director.

c. General Requirements

The BMP plan shall:

(1) Be documented in narrative form, and shall include any necessary plot plans, drawings or maps.

DRAFT

(a) Locations at which bypasses of a treatment system may occur as well as projected conditions under which a bypass may be necessary will be submitted.

(b) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural phenomena (e.g., precipitation), the plan shall include a prediction of the direction, and rate of flow.

(2) Be reviewed by plant engineering staff and the plant manager.

d. Specific Requirements

(1) The BMP plan shall be consistent with the general guidance contained in the publication entitled "NPDES Best Management Practices Guidance Document".

(a) Pollution Prevention Committee
(b) Risk Identification and Assessment/Materials Inventory
(c) Preventive Maintenance
(d) Good Housekeeping
(e) Employee Training
(f) Visual Inspections
(g) Record-keeping and Internal Reporting Procedures

e. Documentation

The permittee shall maintain a description of the BMP plan at the facility and shall make the plan available to the Regional Administrator and the Director upon request.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
JOHN F. KENNEDY FEDERAL BUILDING
BOSTON, MASSACHUSETTS 02203

FACT SHEET

DRAFT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT TO DISCHARGE TO WATERS OF THE UNITED STATES

NPDES PERMIT NO.: MA0029092

STATE PERMIT NO.:

NAME AND ADDRESS OF APPLICANT:

Lobster Trap Company

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

290 Shore Road
Bourne, MA 02532

RECEIVING WATER: Back River

CLASSIFICATION: Class SA

I. Proposed Action, Type of Facility, and Discharge Location.

The above named applicant has applied to the U.S. Environmental Protection Agency for issuance of an NPDES permit to discharge into the designated receiving water. See Figure 1 for the facility location. The discharges process wastewater from Outfall 001. A maximum daily discharge of 7,456 gpd is anticipated. Also included as part of the application package are plans detailing construction of an ozonation system.

The Lobster Trap Company is a raw fin fish processor, primarily flounder, sole, codfish and similar varieties. The process involves descaling, evisceration, hand filet, bulk packing and cold storage. The final fish filet product is sold to wholesalers or restaurants.

It is necessary for the Lobster Trap Company to upgrade the existing process and wastewater treatment operations to prevent any

adverse impact to the Back River. The objectives are to reduce the levels of BOD and Suspended Solids in the process wastestream and to effectively remove the total and fecal coliform bacteria currently present in the process wastestream. The method proposed for removal is to implement in-process screening of the total process wastestream to remove suspended solids. This will effectively reduce the BOD associated with the suspended solids in the wastestream. The proposed procedure will direct process wastewater to a collecting tank/transfer station and pump to an industrial hydroscreen for solids removal.

Existing process wastewater will be directed to a Wastewater Collection Holding Tank. A transfer pump station consisting of two submersible pumps working on a lead-lag basis which will pump the wastewater to the hydroscreen. This pump station will be equipped with a control system to activate the pump(s) based on water level in the tanks, and alternate cycle between pumps to distribute load and wear evenly. Also, if a high level switch is activated, both pumps will activate to reduce the water level. An alarm system shall be provided to visually and audibly alert the operator to alarm conditions.

The static hydroscreen will mechanically separate the suspended solids from the wastewater delivered by the transfer pump station by passing the discharge over a curved, static screen (0.040" pore size) capturing the solids, which will be removed for offsite disposal. The level of treatment that hydroscreen will achieve is 30. The screened wastewater will discharge to the hydroscreen effluent collection tank.

An ozone generator capable of producing 48 grams of ozone/hr will allow a dosage of ozone to the wastestream from 0.0 mg/l to 15.7 mg/l. Additionally, a 170 gallon (effective volume) ozone contact chamber will provide a retention time of 12.6 minutes. It is anticipated that this system will realize a total coliform bacteria reduction in excess of 99%.

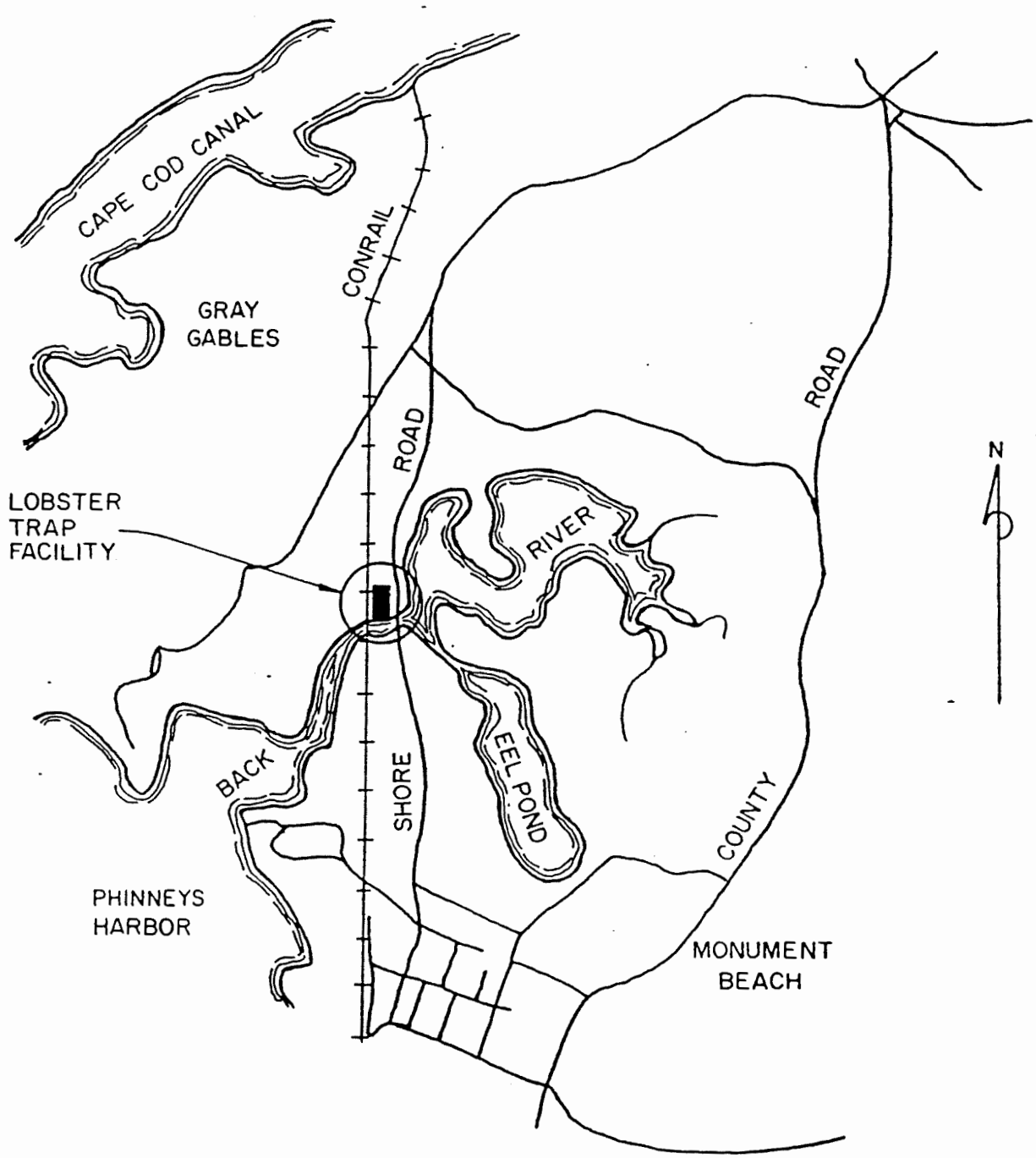
II. Limitations and Conditions.

The proposed effluent limitations and monitoring requirements may be found on Page 2 of the Draft Permit.

III. Permit Basis and Explanation of Effluent Limitation Derivation.

The following attachments illustrate the plant's location and flow:

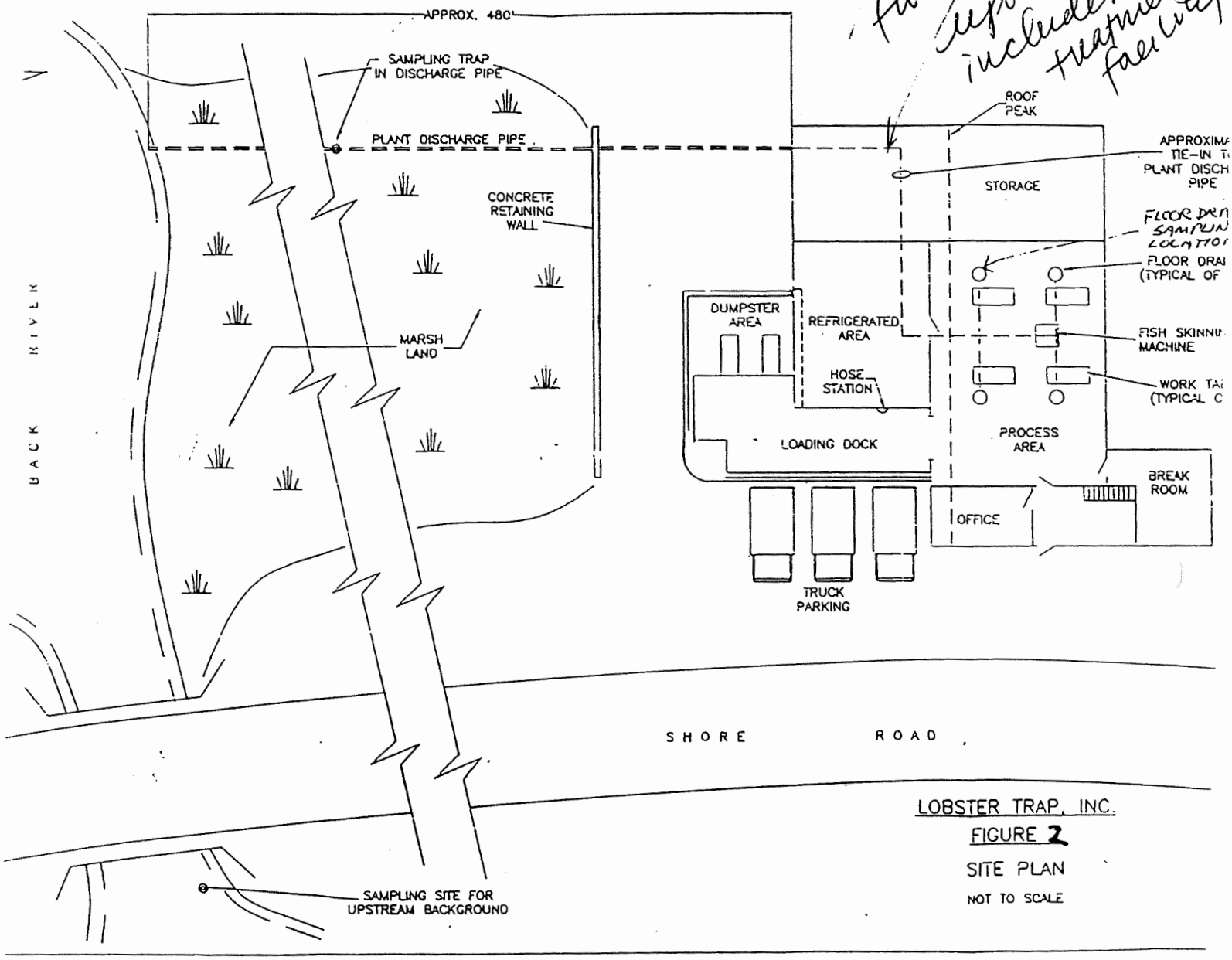
Figure 1 - USGS Topographical Map location of facility.
Figure 2 - Process Flow Schematic
Figure 3 - Engineering Design Aspects of Ozonation System



LOCATION MAP

FIGURE 1

(Should use diagram from eng. review report that includes treatment facility)



LOBSTER TRAP, INC.

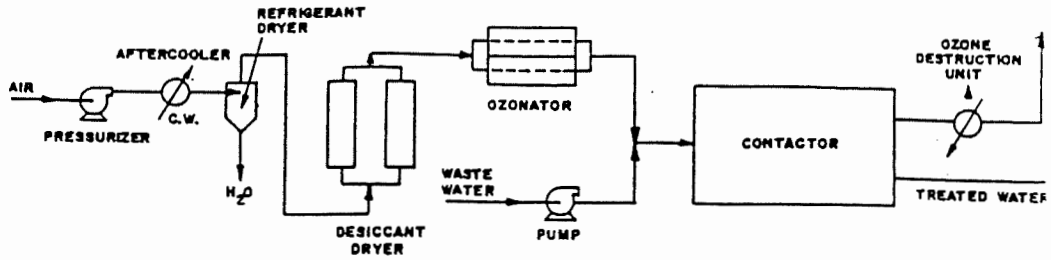
FIGURE 2

SITE PLAN

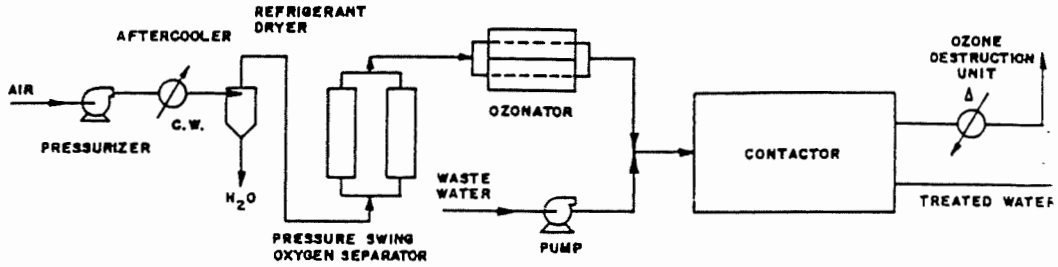
NOT TO SCALE

Notes

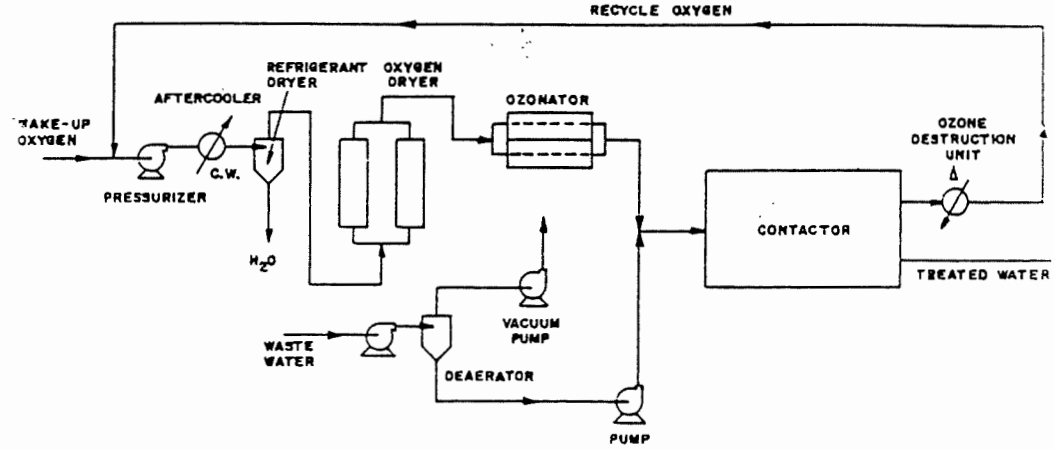
(I) AIR SYSTEM



(II) OXYGEN ENRICHED AIR SYSTEM



(III) HIGH PURITY OXYGEN SYSTEM WITH RECYCLE



(IV) OXYGEN ENRICHED AIR SYSTEM WITH RECYCLE

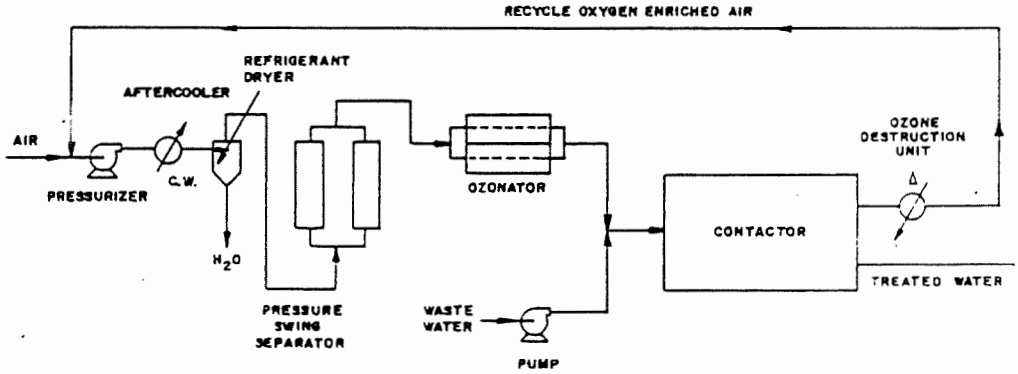


FIGURE 8.1. **Flow diagrams for open loop ozone treatment systems. Note: Filters generall should be installed prior to the air pressurizer and the ozonator. Following th aftercooler, an oil coalescer should be installed in all cases.**

Figure 3

The Clean Water Act (CWA) requires that discharges satisfy both minimum technology and water quality requirements. The minimum technology requirements which are presently applicable are Best Practicable Control Technology Currently Available (BPT), Section 301(b)(1)A of the CWA; Best Available Technology Economically Achievable (BAT) for toxic pollutants, Section 301(b)(2)A; and Best Conventional Pollution Control Technology (BCT), Section 301(b)(2)E which applies to conventional pollutants.

In the absence of technology based guidelines EPA is authorized to use Best Professional Judgement (BPJ) in accordance with Section 402(a)(1) of the Clean Water Act. In addition, Section 301(b)(1)c of the CWA requires that effluent limitations based on Water Quality considerations be established for point source discharges when such limitations are necessary to meet State or Federal Water Quality standards that are applicable to the designated receiving water.

The Back River at the point of discharge is a Class SA water. Class SA waters are designated as an excellent habitat for fish, other aquatic life and wildlife and for primary and secondary contact recreation. In approved areas they shall be suitable for shellfish harvesting without depuration (Open Shellfish Areas). These waters shall have excellent aesthetic value.

The pH limitation range of 6.5 to 8.5 standard units and not more than 0.2 units outside of the normally occurring range. There shall be no change from background conditions that would impair any use assigned to this class.

The effluent monitoring requirements have been established to yield data representative of the discharge under authority of Section 308(a) of the Clean Water Act as required by 40 CFR 122.41, 122.44 and 122.48.

The remaining general and special conditions of the permit are based on the NPDES regulations 40 CFR Parts 122 through 125 and consist primarily of management requirements common to all permits.

V. State Certification Requirements.

EPA may not issue a permit unless the State Water Pollution Control Agency with jurisdiction over the receiving waters certifies that the effluent limitations contained in the permit are stringent enough to assure that the discharge will not cause the receiving water to violate State Water Quality Standards. The staff of the Massachusetts Division of Water Pollution Control has reviewed the draft permit and advised EPA that the limitations are adequate to protect water quality. This permit is drafted and cannot be issued final until the State completes an antidegredation review. EPA has requested permit certification by the State and expects that the draft permit will be certified.

VI. Comment Period, Hearing Requests, and Procedures for Final Decisions.

All persons, including applicants, who believe any condition of the draft permit is inappropriate must raise all issues and submit all available arguments and all supporting material for their arguments in full by the close of the public comment period, to the U.S. EPA, Wastewater Management Branch, JFK Federal Building, Boston, Massachusetts 02203. Any person, prior to such date, may submit a request in writing for a public hearing to consider the draft permit to EPA and the State Agency. Such requests shall state the nature of the issues proposed to be raised in the hearing. A public hearing may be held after at least thirty days public notice whenever the Regional Administrator finds that response to this notice indicates significant public interest. In reaching a final decision on the draft permit the Regional Administrator will respond to all significant comments and make these responses available to the public at EPA's Boston office.

Following the close of the comment period, and after a public hearing, if such hearing is held, the Regional Administrator will issue a final permit decision and forward a copy of the final decision to the applicant and each person who has submitted written comments or requested notice. Within 30 days following the notice of the final permit decision any interested person may submit a request for a formal hearing to reconsider or contest the final decision. Requests for formal hearings must satisfy the requirements of 40 CFR §124.74, 48 Fed. Reg. 14279-14280 (April 1, 1983).

VII. EPA Contact.

Additional information concerning the draft permit may be obtained between the hours of 9:00 a.m. and 5:00 p.m., Monday through Friday, excluding holidays from:

Leona A. Hulsman
Wastewater Management Branch
John F. Kennedy Federal Building
Boston, Massachusetts 02203
Telephone: (617) 565-4877

June 17, 1993
Date

David A. Fierra, Director
Water Management Division
Environmental Protection Agency

IX. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I will be responsible for publication of public notice of the applicable permit proceedings identified under 314 CMR 2.06(1)(a) through (d).

Printed Name of Applicant	Title
Signature of Applicant	Date Signed 3/15/93
ROBERT FERRARI PE.	
FERRARI ENGINEERING, INC	PRESIDENT (401) 521-1980
Name of Preparer	Title Telephone No.

(fill—in areas are spaced for elite type, i.e., 12 ch ers/inch).

Form Approved OMB No. 158-R0175

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, af it in the designated space. Review the infor ation carefully; if any of it is incorrect, cr through it and enter the correct data in t appropriate fill—in area below. Also, if any the preprinted data is absent *(the area to t left of the label space lists the informati that should appear)*, please provide it in t proper fill—in area(s) below. If the label complete and correct, you need not comple Items I, III, V, and VI *(except VI-B whi must be completed regardless)*. Complete items if no label has been provided. Refer the instructions for detailed item descr tions and for the legal authorizations unc which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold—faced terms.

SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK 'X' YES	NO	FORM ATTAC
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X			D. Is this a proposed facility *(other than those described in A or B above)* which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)		X		F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production; inject fluids used for enhanced recovery of oil or natural gas; or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP LOBSTER TRAP COMPANY

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*: 2 MR. LOGAN CLARKE OWNER

B. PHONE *(area code & no.)*: 617 759 9401

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 290 SHORE ROAD

B. CITY OR TOWN: 4 BOURNE

C. STATE: MA

D. ZIP CODE: 02532

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 290 SHORE ROAD

B. COUNTY NAME: BARNSTABLE

C. CITY OR TOWN: 6 BOURNE

D. STATE: MA

E. ZIP CODE: 02532

F. COUNTY CODE *(if known)*:

CONTINUE ON REVER

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
2092 (specify) Fish filet and Cold Packing	(specify)
C. THIRD	**D. FOURTH**
(specify)	(specify)

VIII. OPERATOR INFORMATION

A. NAME: Mr. Logan Clarke

B. Is the name listed in Item VIII-A also owner? [X] YES [ ]

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL, M = PUBLIC (other than federal or state), S = STATE, O = OTHER (specify), P = PRIVATE

P (specify)

D. PHONE (area code & no.): 617 759 940

E. STREET OR P.O. BOX: 290 Shore Road

F. CITY OR TOWN: Bourne

G. STATE: MA

H. ZIP CODE: 02532

IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): 9 N	D. PSD (Air Emissions from Proposed Sources): 9 P
B. UIC (Underground Injection of Fluids): 9 U	E. OTHER (specify): 9 (specify)
C. RCRA (Hazardous Wastes): 9 R	E. OTHER (specify): 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

The Lobster Trap Company is a raw fin fish processor, primarily flounder, sole, codfish and similar varieties. The process involves descaling, evisceration, hand filet, bulk packing and cold storage. The final fish filet product is sold to wholesalers or restaurants.

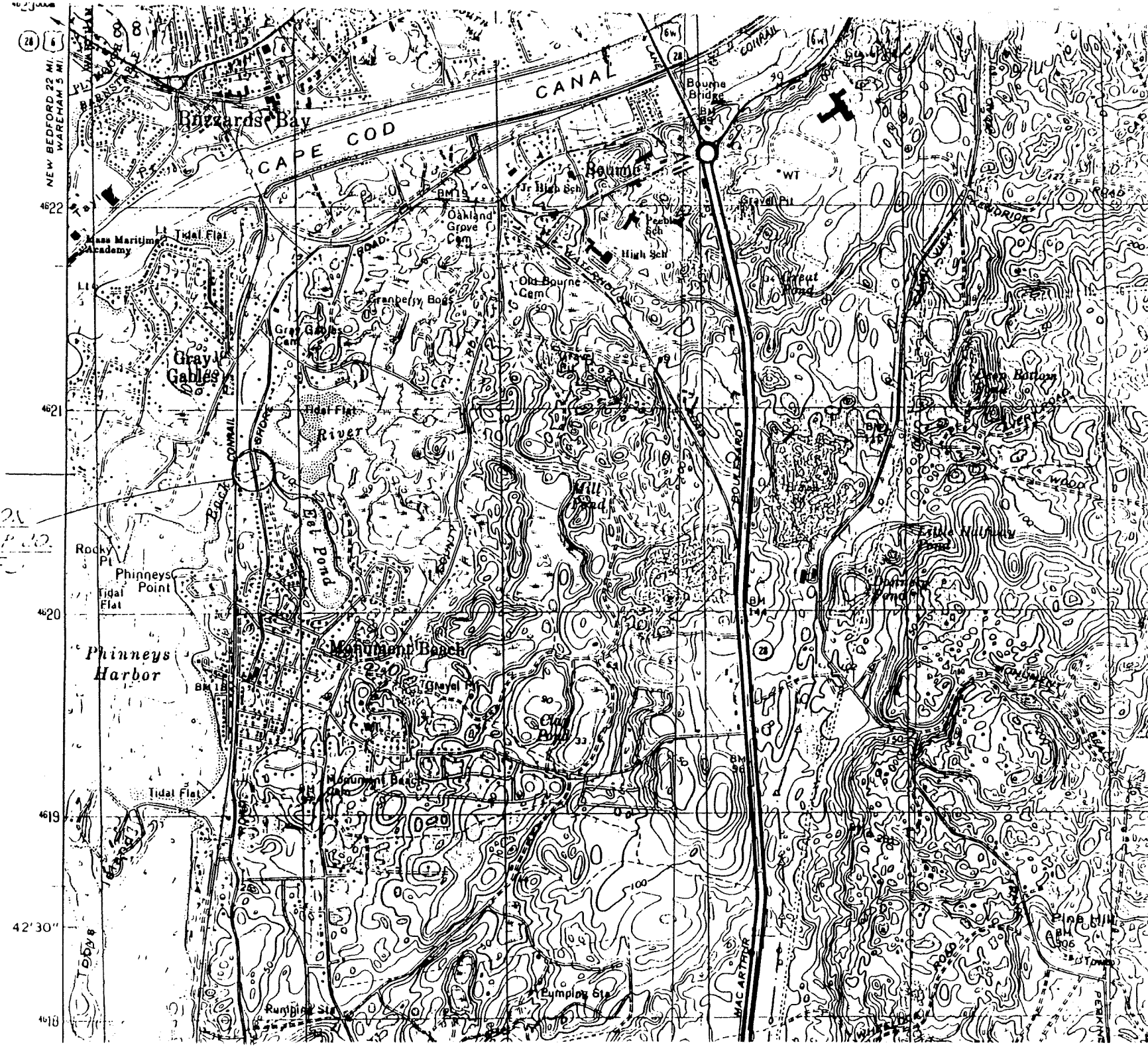
XIII. CERTIFICATION (see instructions)

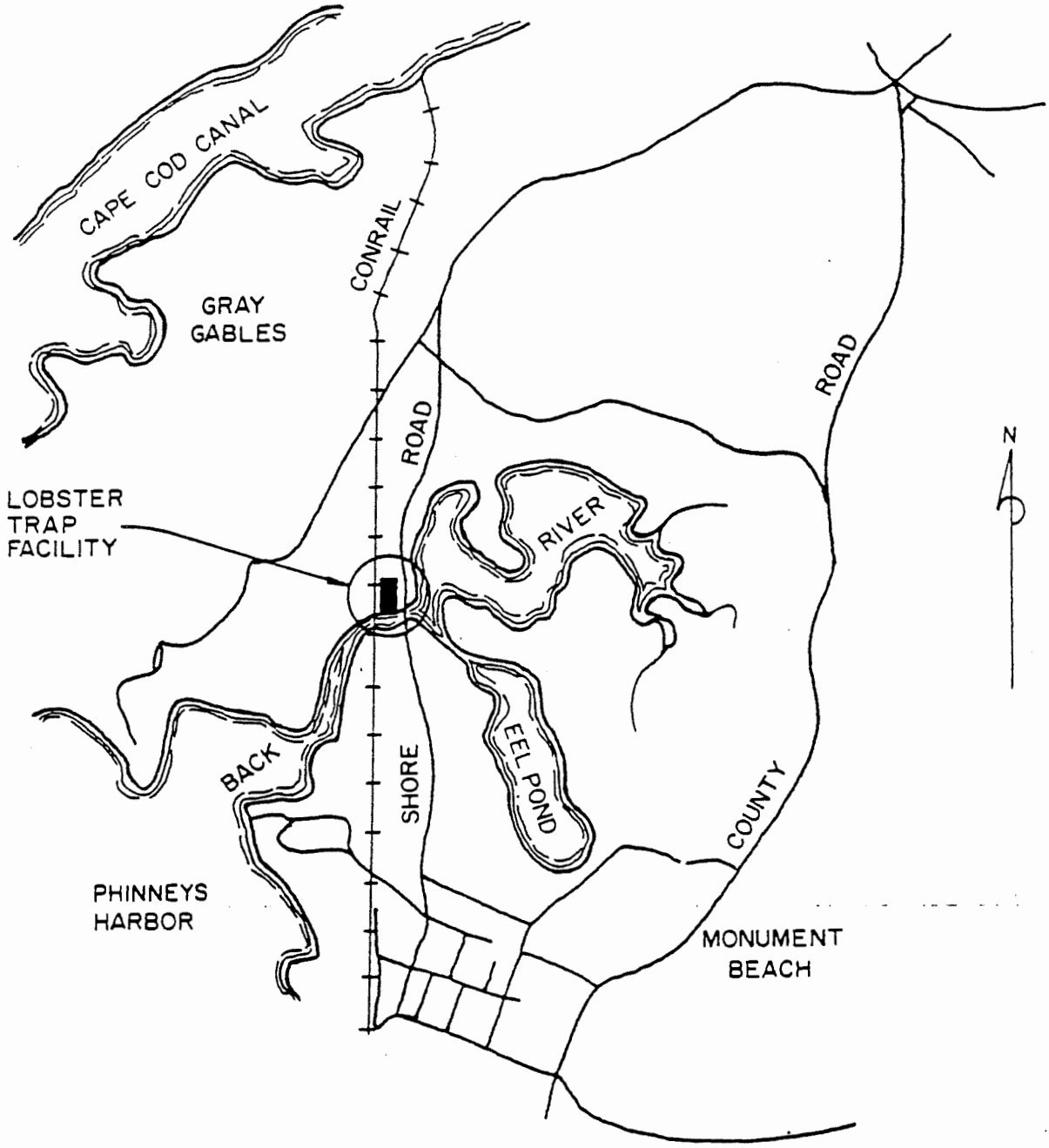
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Mr. Logan Clarke, Owner		

COMMENTS FOR OFFICIAL USE ONLY

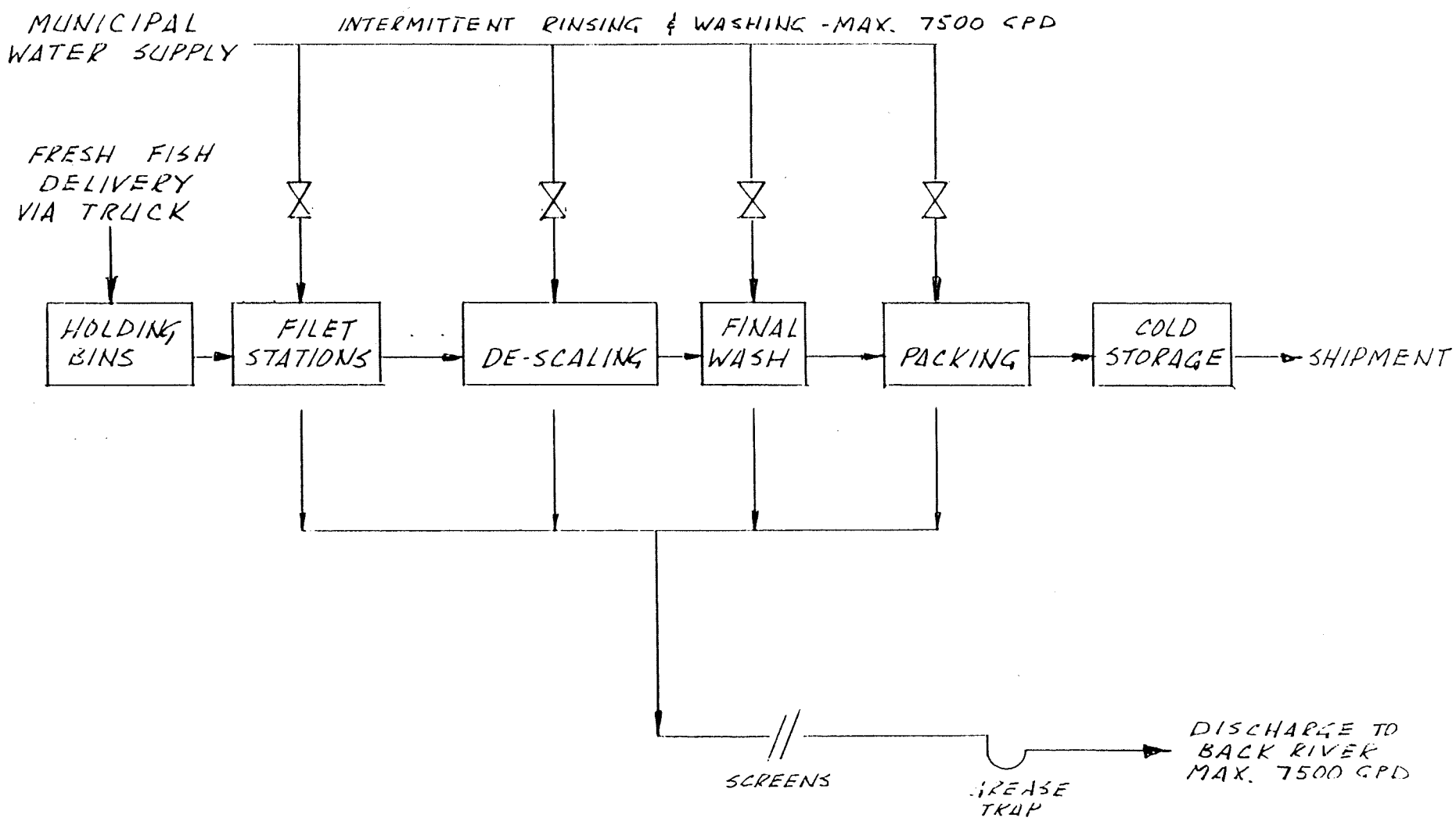
C


SITE LOCATION
LOBSTER TRAP NO.
SEE ATTACHED
DRAWINGS
CAPE COD
CANAL
Buzzards Bay
Bourne
Bourne Bridge
Mass Maritime Academy
Tidal Flat
Gray Gables
Phinneys Point
Phinneys Harbor
Monument Beach
Pond
River
Back
Great Pond
Little Hummock Pond
Pine Hill
MACARTHUR
BOULEVARD
CONRAIL
NEW BEDFORD 22 MI.
WAREHAM 5 MI.
42'30"



LOCATION MAP

FIGURE 1



LOBSTER TRAP CO.

PROCESS FLOW DIAGRAM

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS

Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
1	41°	43'	43"	70°	36'	52"	Back River

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined *(e.g., for certain mining activities)*, provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT	
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
1	Process Wastewater	5,000 gpd	Screening to remove solids	1- T

OFFICIAL USE ONLY *(effluent guidelines sub-categories)*

☒ YES (complete the following table) ☐ NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY a. DAYS PER WEEK (specify average)	3. FREQUENCY b. MONTHS PER YEAR (specify average)	4. FLOW a. FLOW RATE (in mgd) 1. LONG TERM AVERAGE	4. FLOW a. FLOW RATE (in mgd) 2. MAXIMUM DAILY	4. FLOW b. TOTAL VOLUME (specify with units) 1. LONG TERM AVERAGE	4. FLOW b. TOTAL VOLUME (specify with units) 2. MAXIMUM DAILY	4. FLOW c. DURATION (in da
1	Process Wastewater*	5	7	.005	.0075	.005 MGD	.0075 MGD	
1	Process Wastewater**	3	5	.005	.004	.002 MGD	.004 MGD	3

* 5-Day per week operation, April to October @ 5,000 gpd average flow.

** 3-Day per week operation November to March @ 2,000 gpd average flow.

III. MAXIMUM PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ YES (complete Item III-B) ☒ NO (to to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?

☐ YES (complete Item III-C) ☐ NO (go to Section IV)

C. If you answered "Yes" to Item III-B, list the quantity which represents an actual measurement of your maximum level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. MAXIMUM QUANTITY a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	2. AFFECTED OUTFALLS (list outfall numbers)

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES (complete the following table) ☒ NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS a. NO.	2. AFFECTED OUTFALLS b. SOURCE OF DISCHARGE	3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE a. REQUIRED	4. FINAL COMPLIANCE DATE b. PROJECTED

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction. ☒ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

 CONTINUE ON PAGE 3

EPA I.D. NUMBER (copy from Item 1 of Form 1)

Form Approved
OMB No. 2000-0059
Approval expires 3-31-84

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding — Complete one set of tables for each outfall — Annotate the outfall number in the space provided. NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
None of the substances listed in Table 2C-3 is known or believed to be in the discharge from the facility.			

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

A. Is any pollutant listed in Item V-C a substance or a component of a substance which you do or expect that you will over the next 5 years use or manufacture as an intermediate or final product or byproduct?

☐ YES *(list all such pollutants below)* ☒ NO *(go to Item VI-B)*

B. Are your operations such that your raw materials, processes, or products can reasonably be expected to vary so that your discharges of pollutants may over the next 5 years exceed two times the maximum values reported in Item V?

☐ YES *(complete Item VI-C below)* ☒ NO *(go to Section VII)*

C. If you answered "Yes" to Item VI-B, explain below and describe in detail the sources and expected levels of such pollutants which you [illegible] discharged from each outfall over the next 5 years, to the best of your ability at this time. Continue on additional sheets if you need more space.

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ YES *(identify the test(s) and describe their purposes below)* ☒ NO *(go to Section VIII)*

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☒ YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☐ NO *(go to Section IX)*

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALY (list)
Cambridge Analytical Services	222 Arsenal St Watertown, MA 02172	(617) 923-9376	SEE ATTACHED LI
THIBAULT & ASSOCIATES, INC.	235 Promenade Street Providence, RI 02908	(401) 421-0394	BOD, TKN, NH_3, DO, Total P, O & G TDS, TSS Total Volatile Organics Total Coliform Fecal Coliform pH Temperature

IX. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & no.)*
Mr. Logan Clarke, Owner	(627) 759-9401
C. SIGNATURE	**D. DATE SIGNED**

NPDES FORM 2C

ATTACHMENT FOR SECTION IVB

The Lobster Trap Co. is currently negotiating an agreement and implementation schedule with Massachusetts DEQE. All local agencies have subordinated their interests and requirements into this negotiation process. For additional information, please contact Ms. Gloria Fry, DEQE Deputy Council, Boston, MA.

NPDES Application # MA 0029092

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets *(use the same format)* instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER *(copy from Item I of Form 1)*

Form Approved
OMB No. 2000-0059
Approval expires 3-31-84

OUTFALL NO

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS *(specify if blank)* a. CONCENTRATION	b. MASS	4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	751mg/l	47.5 lb/d					2					
b. Chemical Oxygen Demand *(COD)*	400mg/l	25.4 lb/d					1					
c. Total Organic Carbon *(TOC)*												
d. Total Suspended Solids *(TSS)*	125 mg/l	7.9 lb/d					1					
e. Ammonia *(as N)*	1.6mg/l	0.01lb/d					1					
f. Flow	VALUE 0.0076 mg/d		VALUE 0.005 mg/d		VALUE		1			VALUE		
g. Temperature *(winter)*	VALUE 7.0 C		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE 10.0 C		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 7.4	MAXIMUM 9.0	MINIMUM	MAXIMUM				STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. *(if available)*	2. MARK "X" a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959 67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X	233						1	per 100 ml				
d. Fecal Coliform	X													
e. Fluoride (16984-48-8)		X												
f. Nitrate Nitrite *(as N)*		X												

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)	X		24.9mg/1	1.61b/d										
h. Oil and Grease	X		35.0											
i. Phosphorus (as P), Total (7723-14-0)	X		3.1mg/1											
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO_4) (14808-79-8)		X												
l. Sulfide (as S)		X												
m. Sulfite (as SO_3) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

NPDES Application # MA 0029092

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER

Form Approved
OMB No. 2060-0059
Approval expires 3-31-84

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a *(secondary industries, non–process wastewater outfalls, and non–required GC/MS fractions)*, mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table *(all seven pages)* for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT*							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X												
3M. Beryllium, Total, 7440-41-7)			X												
4M. Cadmium, Total (7440-43-9)			X												
5M. Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7550-50-8)			X												
7M. Lead, Total (7439-97-6)			X												
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)			X												
11M. Silver, Total (7440-22-4)			X												
12M. Thallium, Total (7440-28-0)			X												
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-5)			X												
15M. Phenols, Total			X												
DIOXIN															
[illegible]			X	SEE ATTACHED RESULTS											

*SEE ATTACHED LABORATORY REPORT

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X												
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (66-23-5)			X												
7V. Chlorobenzene (108-90-7)			X												
8V. Chlorodibromomethane (124-48-1)			X												
9V. Chloroethane (75-00-3)			X												
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X												
12V. Dichlorobromomethane (75-27-4)			X												
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X												
15V. 1,2-Dichloroethane (107-06-2)			X												
16V. 1,1-Dichloroethylene (75-35-4)			X												
17V. 1,2-Dichloropropane (78-87-5)			X												
18V. 1,3-Dichloropropylene (542-75-6)			X												
[illegible]			X												
[illegible]			X												
21V. Methyl Chloride (74-87-3)			X												

NPDES Application # MA 0029092

EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER

Form Approved
OMB No. 2000-0059
Approval Expires 3-31-84

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TEST INCLUDED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)		X		<0.02 mg/l	<0.001 lb/d										
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X												
24V. Tetrachloroethylene (127-18-4)			X												
25V. Toluene (108-88-3)		X		<0.004 mg/l	<0.0003 lb/d										
26V. 1,2-Trans-Dichloroethylene (166-60-5)			X												
27V. 1,1,1-Trichloroethane (71-55-6)			X												
28V. 1,1,2-Trichloroethane (79-00-5)			X												
29V. Trichloroethylene (79-01-6)		X		<0.002 mg/l	<0.0001 lb/d										
30V. Trichlorofluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X												
2A. 2,4-Dichlorophenol (120-83-2)			X												
3A. 2,4-Dimethylphenol (105-67-9)			X												
4A. 4,6-Dinitro O-Cresol (534-52-1)			X												
5A. 2,4-Dinitrophenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A. 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M-Cresol (59-50-7)			X												
9A. Pentachlorophenol (87-86-5)			X												
10A. Phenol (108-95-2)		X		0.008 mg/l	0.005 lb/d										
11A. 2,4,6-Tri-			X												

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT*							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	* (2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X												
2B. Acenaphtylene (208-96-8)			X												
3B. Anthracene (120-12-7)			X												
4B. Benzidine (92-87-6)			X												
5B. Benzo *(a)* Anthracene (56-55-3)			X												
6B. Benzo *(a)* Pyrene (50-32-8)			X												
7B. 3,4-Benzo-fluoranthene (205-99-2)			X												
8B. Benzo *(ghi)* Perylene (191-24-2)			XX												
9B. Benzo *(k)* Fluoranthene (207-08-9)			X												
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			X												
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			X												
12B. Bis *(2-Chloro-isopropyl)* Ether (39638-32-9)			X												
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			X												
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X												
15B. Butyl Benzyl Phthalate (85-68-7)			X												
16B. 2-Chloro-naphthalene (91-58-7)			X												
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X												
18B. Chrysene (218-01-9)			X												
19B. Dibenzo *(a,h)* Anthracene (53-70-3)			X												
20B. 1,2 Dichloro benzene (95-50-1)			X												
21B. 1,3 Dichloro benzene (541-73-1)			X												

NPDES application # MA 0029092

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
	1

Form Approved
OMB No. 2000-0059
Approval expires 3-31-84

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TEST INCLUDED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS *(continued)*															
22B. 1,4-Dichlorobenzene (106-46-7)			X												
23B. 3,3'-Dichlorobenzidine (91-94-1)			X												
24B. Diethyl Phthalate (84-66-2)			X												
25B. Dimethyl Phthalate (131-11-3)			X												
26B. Di-N-Butyl Phthalate (84-74-2)			X												
27B. 2,4-Dinitrotoluene (121-14-2)			X												
28B. 2,6-Dinitrotoluene (606-20-2)			X												
29B. Di-N-Octyl Phthalate (117-84-0)			X												
30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7)			X												
31B. Fluoranthene (206-44-0)			X												
32B. Fluorene (86-73-7)			X												
33B. Hexachlorobenzene (118-71-1)			X												
34B. Hexachlorobutadiene (87-68-3)			X												
35B. Hexachlorocyclopentadiene (77-47-4)			X												
36B. Hexachloroethane (67-72-1)			X												
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)			X												
38B. Isophorone (78-59-1)			X												
39B. Naphthalene [illegible]			X												
[illegible]			X												
[illegible]			X												
42B. [illegible]			X												

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. PRESENT	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT* a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS *(continued)*															
43B. N-Nitrosodiphenylamine (86-30-6)			X												
44B. Phenanthrene (85-01-8)			X												
45B. Pyrene (129-00-0)			X												
46B. 1,2,4-Trichlorobenzene (120-82-1)			X												
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X												
11P. α-Endosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-9[illegible])			X												
16P. Heptachlor (76-44-8)			X												

OUTFALL NUMBER 1

Form Approved
OMB No. 2000-0059
Approval expires 3-31-84

'X'	3. EFFLUENT*							4. UNITS		5. INTAKE (optio	
C. BE-LIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL-YSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE	
	(1) CONCENTRATION	(2) MASS*	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCEN-TRATION	(2) MASS
DES (continued)											
X											
X											
X											
X											
X											
X											
X											
X											
X											

**SEE ATTACHED LABORATORY REPORT

☆ U. S. GOVERNMENT PRINTING OFFICE: 19

Dear Mr MacGaffey,

6-25-91

The location of the end of the MMA effluent discharge pipe would be the "a" of "Mass" in "Mass Maritime", below

Sincerely,

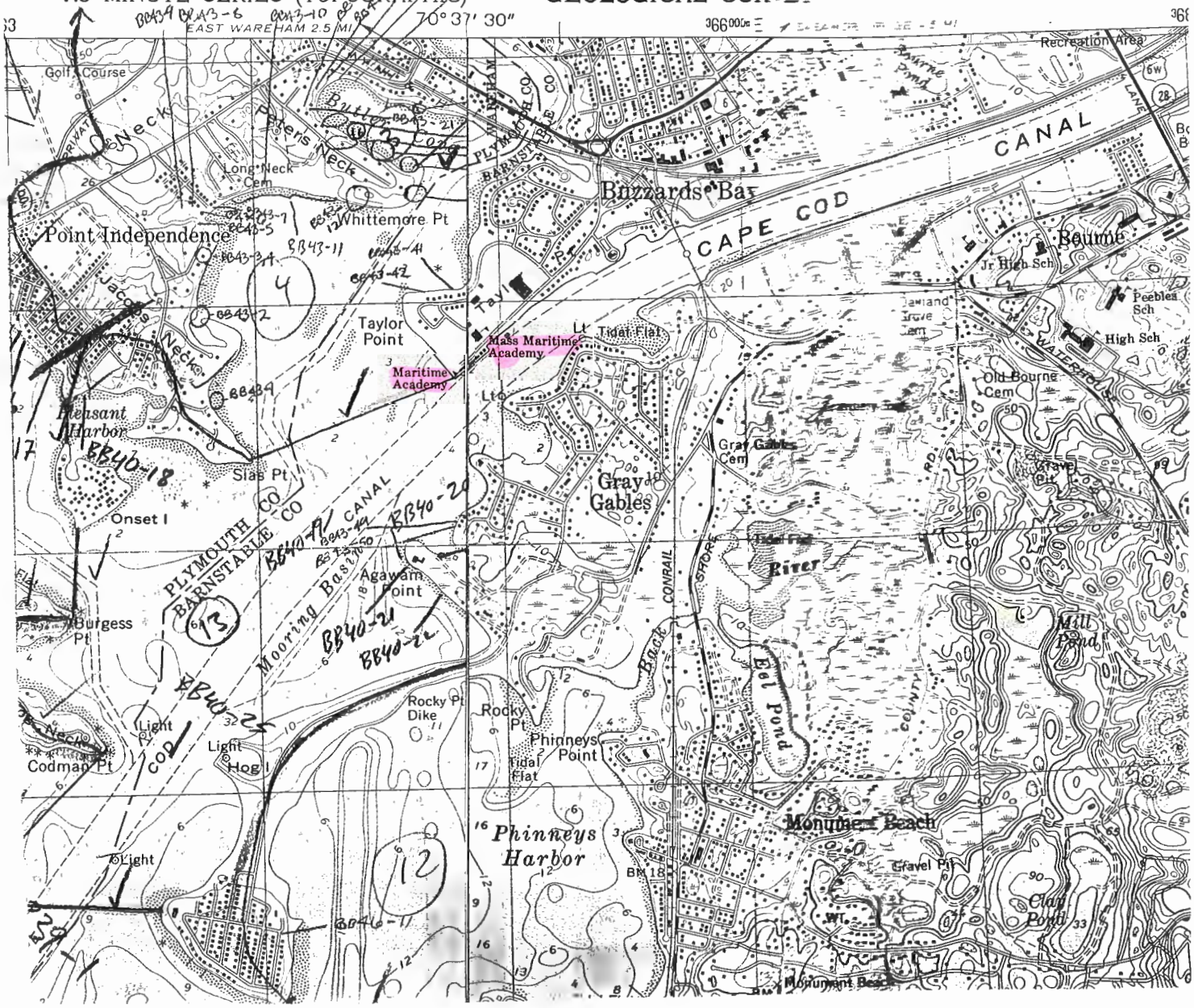
Elaine Lewis

This boundary be
is determined by
9.4

-ID 19

ONSET QUADRANGLE
MASSACHUSETTS
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

-ID 10

CONTINUED FROM THE FRONT

VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST	B. SECOND
7 4953 (specify) Sanitary Landfill (Shawmut	7 (specify)
C. THIRD	**D. FOURTH**
7 (specify)	7 (specify)

VIII. OPERATOR INFORMATION

A. NAME: 8 CITY OF NEW BEDFORD DEPT. OF PUBLIC WORKS

B. Is the name listed in Item VIII-A also the owner? ☒ YES ☐ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box; if "Other", specify.)*
F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*
(specify)

D. PHONE *(area code & no.)*: A 508 999 2931

E. STREET OR P.O. BOX: 1103 SHAWMUT AVENUE

F. CITY OR TOWN: B NEW BEDFORD

G. STATE: MA

H. ZIP CODE: 02746

IX. INDIAN LAND
Is the facility located on Indian lands? ☐ YES ☐ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*: 9 N	D. PSD *(Air Emissions from Proposed Sources)*: 9 P
B. UIC *(Underground Injection of Fluids)*: 9 U	E. OTHER *(specify)*: 9 *(specify)*
C. RCRA *(Hazardous Wastes)*: 9 R	E. OTHER *(specify)*: 9 *(specify)*

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

The City of New Bedford is planning to permanently close the existing Shawmut Avenue Landfill in accordance with federal and state regulations. Closure will be phased, and will begin in mid 1990. Closure of the landfill involves the placement of a low permeability cap and construction of drainage swales and channels. The cap will reduce the amount of rainwater percolating into the landfill, thus reducing leachate production, but will consequently increase the amount of stormwater runoff. The channelization of runoff will result in point stormwater discharges to the adjacent wetland, but represents an improvement over current conditions of uncontrolled sheet flow, widespread erosion, and leachate breakout.

XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
Hon. John K. Bullard, Mayor		3/7/90

COMMENTS FOR OFFICIAL USE ONLY

C

Please print or type in the unshaded areas only.

EPA I.D. NUMBER (copy from Item 1 of Form 1) MAOC33138

OMB No. 2040-0086
Approval expires 7-31-88

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

OUTFALL NUMBER (list)	B. ~~LATITUDE~~ Long 1. DEG.	2. MIN.	3. SEC.	C. ~~LONGITUDE~~ LAT 1. DEG.	2. MIN.	3. SEC.	D. RECEIVING WATER (name)
RC1	70	57	18	41	39	51	APPOGANSETT SWAMP
RC2	70	57	19	41	39	55	" " "
RC3	70	57	26	41	39	58	use " This " one
RC4	70	57	33	41	39	56	(2" D.D. Long: 70.9572
RC5	70	57	33	41	39	51	" D.D." Lat": 41.6661
RC6	70	57	27	41	39	46	" " " (MAPS O.K.) (3)

-ID 10

Approved for ~~Proposed~~ Thermal Treatment

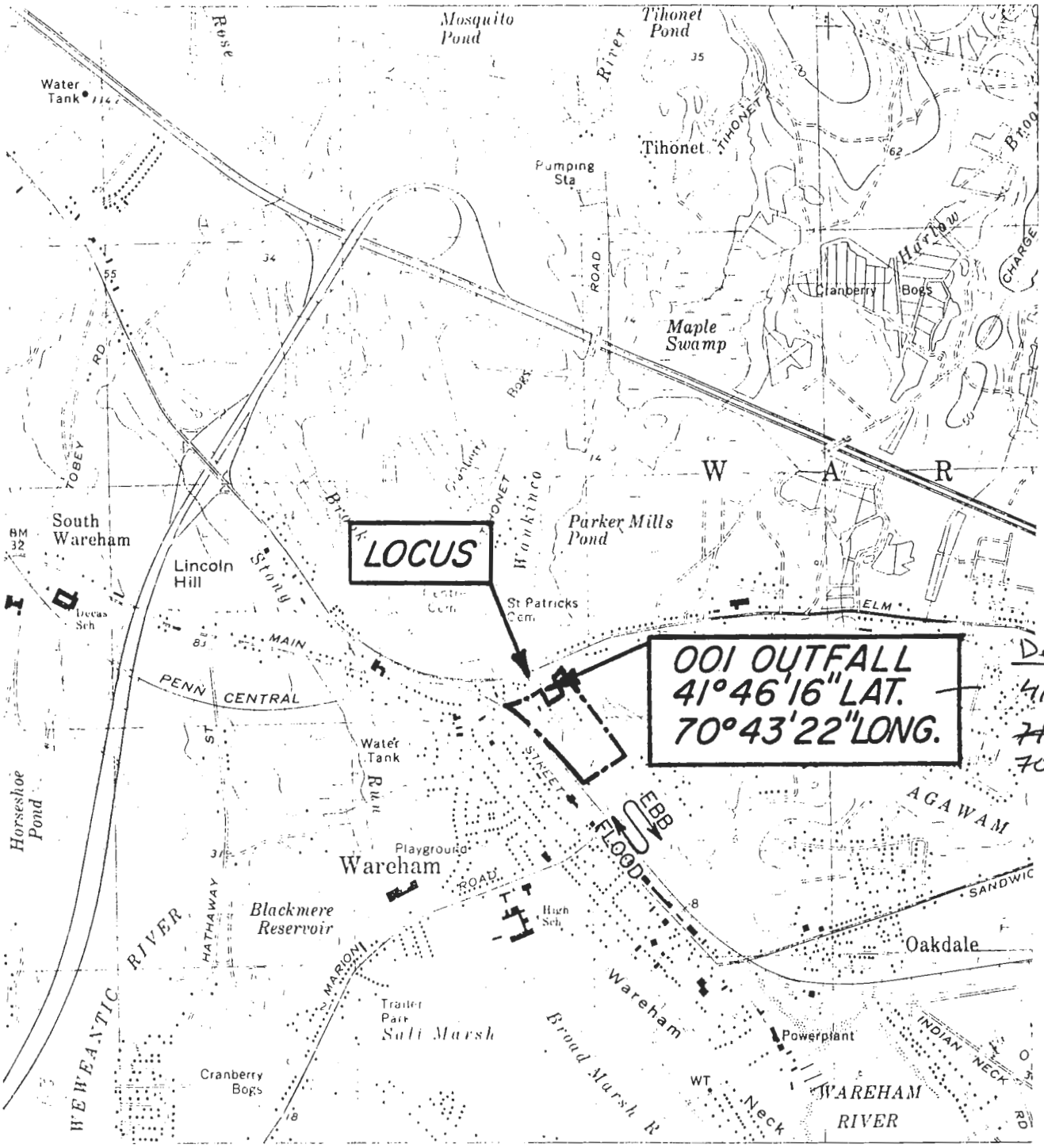
II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined *(e.g., for certain mining activities)*, provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures. (see plans)

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary. (Also see attachment)

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW a. OPERATION (list)	b. AVERAGE FLOW (include units)	3. TREATMENT a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1
RC1	SOUTHEASTERN STORMWATER	Q_{10}= 16.9 cfs		1Q
	RUNOFF DRAINAGE SWALE	Q_{100}= 24.4 cfs	(multimedia	
		A= 8.7 acres	filtration)	
RC2	NORTHEASTERN STORMWATER	Q_{10}= 15.2 cfs		1Q
	RUNOFF DRAINAGE SWALE	Q_{100}= 21.9 cfs		
		A= 7.8 acres		
RC3	NORTHERN STORMWATER	Q_{10}= 13.0 cfs		1Q
	RUNOFF DRAINAGE SWALE	Q_{100}= 18.8 cfs		
		A=6.7 acres		
RC4	NORTHWESTERN STORMWATER	Q_{10}= 10.3 cfs		1Q
	RUNOFF DRAINAGE SWALE	Q_{100}= 15.7 cfs		
		A= 5.6 acres		
RC5	WESTERN STORMWATER	Q_{10}= 10.9 cfs		1Q
	RUNOFF DRAINAGE SWALE	Q_{100}= 15.7 cfs		
		A= 5.6 acres		
RC6	SOUTHWESTERN STORMWATER	Q_{10}= 16.1 cfs		1Q
	RUNOFF DRAINAGE SWALE	Q_{100}= 23.3 cfs		
		A= 8.3 acres		

OFFICIAL USE ONLY (effluent guidelines sub-categories)



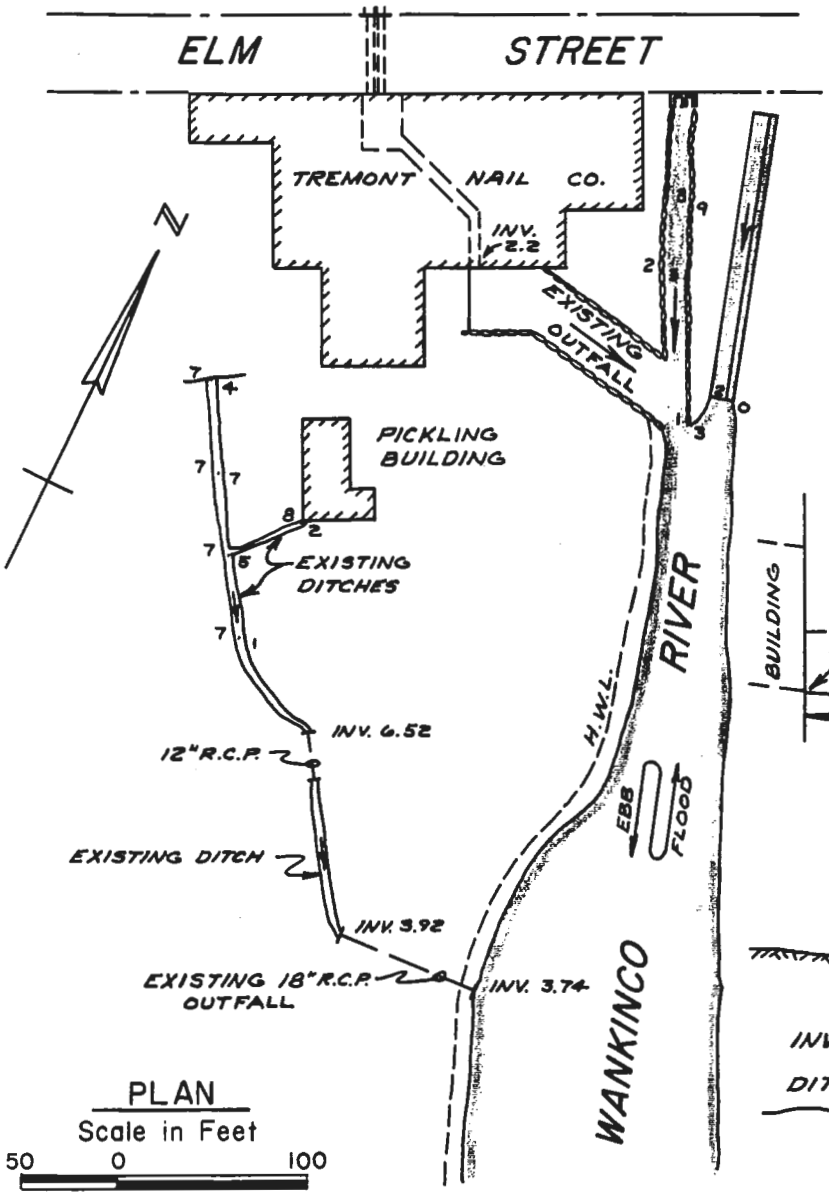
LOCUS MAP

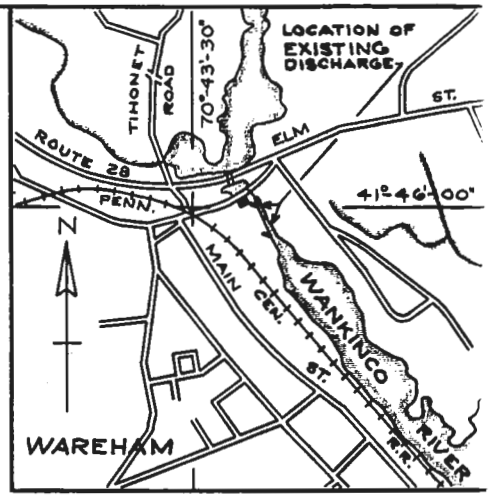
-iD 16

TREMONT NAIL COMPANY
WAREHAM, MASS.
JOB#4599-000

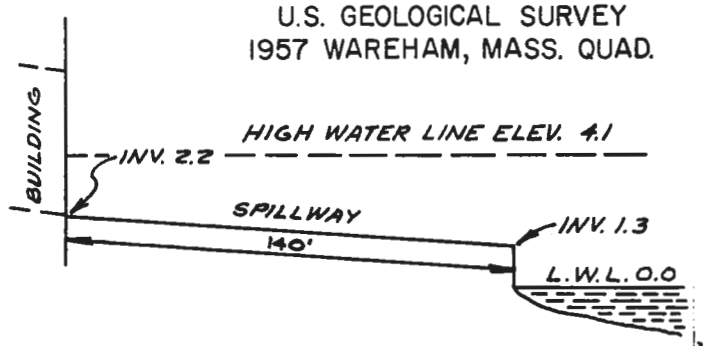
SCALE 1:25,000
1000 0 FEET

U.S.G.S. MAP WAREHAM, MASS.

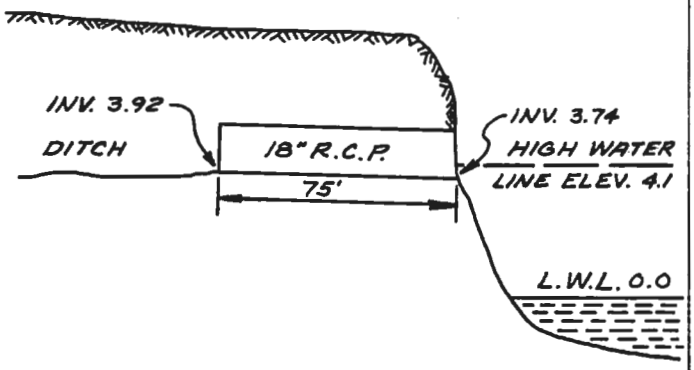




U.S. GEOLOGICAL SURVEY
1957 WAREHAM, MASS. QUAD.



PROFILE - NORTH DISCHARGE

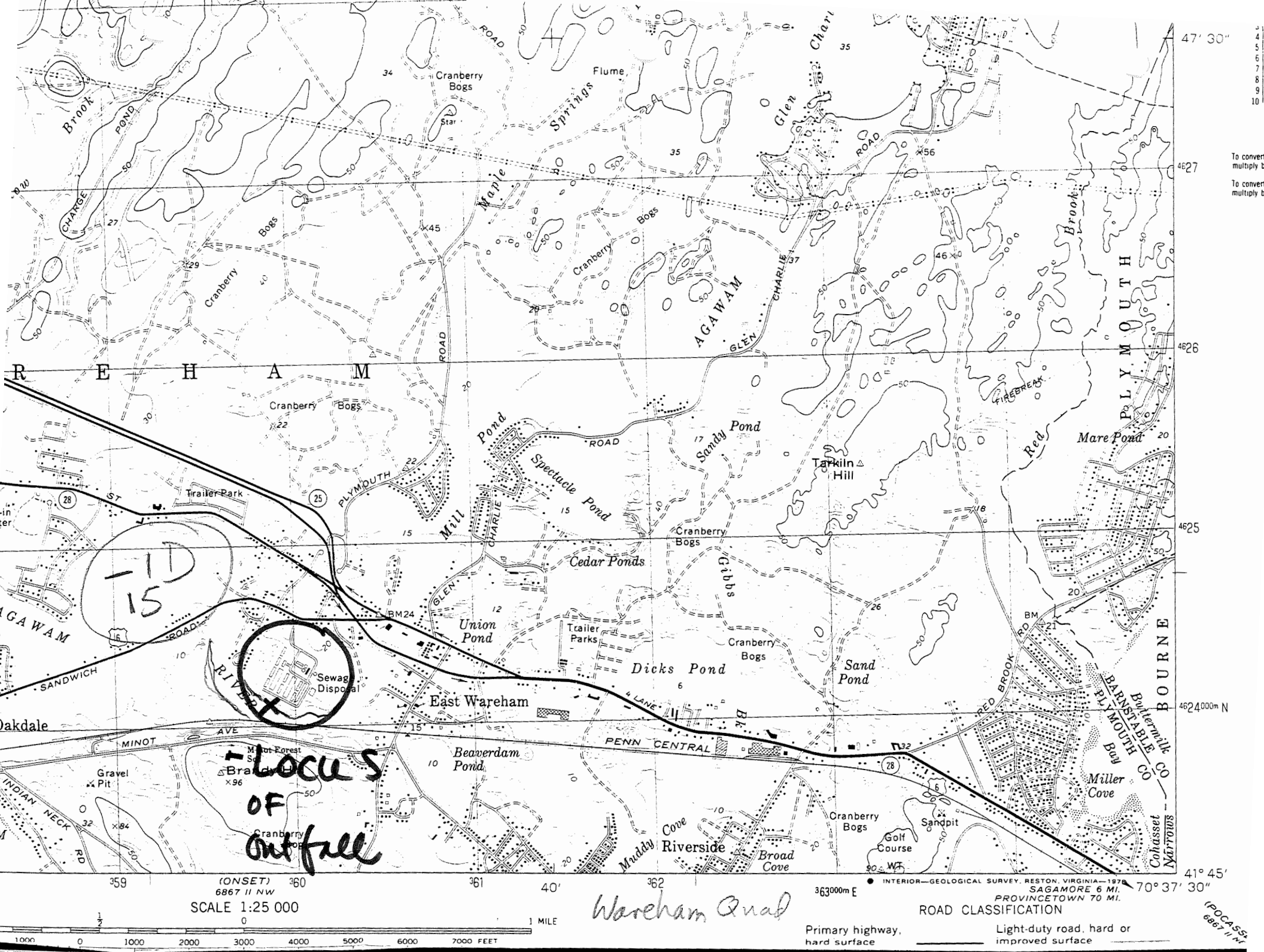


PROFILE- SOUTH DISCHARGE

EXISTING DISCHARGE
IN WANKINCO RIVER
AT WAREHAM
COUNTY of PLYMOUTH, MASSACHUSETTS
APPLICATION by TREMONT NAIL CO.
NOV. 18, 1971

Sheet 1 of 1

PREPARED BY— CATTLEY, HANACK & RICHARD ENGINEERING CORP. NEW BEDFORD, MASS.


47' 30"
Cranberry Bogs
Flume
Star
Brook
POND
CHARGE
Maple Springs
Glen Charlie
ROAD
Cranberry Bogs
AGAWAM
GLEN CHARLIE
R E H A M
Cranberry Bogs
Mill Pond
Spectacle Pond
Sandy Pond
Tarkiln Hill
Red Brook
Mare Pond
PLYMOUTH
FIREBREAK
Trailer Park
PLYMOUTH ST
Cedar Ponds
Cranberry Bogs
Gibbs
BM24
Union Pond
Trailer Parks
Cranberry Bogs
Dicks Pond
Sand Pond
AGAWAM ROAD
SANDWICH
Sewage Disposal
East Wareham
Oakdale
MINOT AVE
PENN CENTRAL
Beaverdam Pond
Gravel Pit
INDIAN NECK RD
Cranberry Bogs
Muddy Cove
Riverside
Broad Cove
Cranberry Bogs
Golf Course
Sandpit
RED BROOK RD
BARNSTABLE CO
PLYMOUTH CO
Buttermilk Bay
Miller Cove
Cohasset Narrows
BOURNE
4627
4626
4625
4624000m N
41° 45'
70° 37' 30"
363000m E
359
(ONSET)
6867 II NW
360
40'
361
362
SCALE 1:25 000
1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1970
SAGAMORE 6 MI.
PROVINCETOWN 70 MI.
ROAD CLASSIFICATION
Primary highway, hard surface
Light-duty road, hard or improved surface
(POCASSET)
6867 II NE
-1D
15
LOCUS OF outfall
Wareham Quad

NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Clean Water Act, as amended, (33 U.S.C. §§1251 et seq.; the "CWA"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§26-53),

Revere Copper Products, Inc.

is authorized to discharge from the facility located at

24 North Front Street
New Bedford, Massachusetts

to receiving waters named

Acushnet River

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on 30 days from the date of signature.

This permit and the authorization to discharge expire at midnight, five years from the date of issuance.

This permit supersedes the permit issued on December 23, 1974.

This permit consists of 10 pages in Part I including effluent limitations, monitoring requirements, etc., and 19 pages in Part II including General Conditions and Definitions.

Signed this 20th day of Oct 1987

Director
Water Management Division
Environmental Protection Agency
Region I
Boston, MA

Thomas C. McMahon
Director, Division of Water Pollution Control
Department of Environmental Quality Engineering
Commonwealth of Massachusetts
Boston, MA

1. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) One hundred micrograms per liter (100 ug/l);

(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

(3) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

(4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) Five hundred micrograms per liter (500 ug/l);

(2) One milligram per liter (1 mg/l) for antimony;

(3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7); or

(4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

T LIMITATIONS AND MONITORING REQUIREMENTS

ing the period beginning on the effective date and lasting through the expiration date the permittee i
zed to discharge from outfall serial number 002A - discharge from waste treatment system, consisting c
acid pickle bath and rinse wastewaters, fume scrubber wastewaters, laboratory wastewaters and
tact cooling water.

scharges shall be limited and monitored by the permittee as specified below:

t Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
SD	0.025	0.040	Continuous	Total Daily
hromium, mg/l	0.6	1.5	2/month	Composite
ent Chromium, mg/l	0.05	0.10	2/month	Grab
pper, mg/l	1.5	2.0	2/month	Composite
ad, mg/l	0.4	0.5	2/month	Composite
ckel, mg/l	1.5	2.0	2/month	Composite
nc, mg/l	1.5	2.0	2/month	Composite
l	20.0	30.0	1/month	Composite

hall not be less than 6.0 standard units nor greater than 9.5 standard units and
monitored continuously. Report range.

taken in compliance with the monitoring requirements specified above shall be taken
ollowing locations: sample point 002A, discharge point of waste treatement facility.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning on the effective date and lasting through the expiration date the per authorized to discharge from outfall serial number 002 - treatment facility discharge, contact and no cooling waters, stormwater.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow, MGD	0.090	0.120	Continuous	Total Da
Total Chromium, mg/l	0.6	1.5	2/month	Composi
Hexavalent Chromium, mg/l	0.05	0.10	2/month	Grab
Total Copper, mg/l	0.7	0.7	2/month	Composi
Total Lead, mg/l	0.4	0.5	2/month	Composi
Total Nickel, mg/l	1.5	2.0	2/month	Composi
Total Zinc, mg/l	1.5	2.0	2/month	Composi
TSS, mg/l	20.0	30.0	1/month	Composi
Oil and Grease, mg/l	-	15	1/Week	Grab
Temperature, °F	-	90	1/month	3 Grab
TTO[1]	-	Report	1/month	Grab
VOCs[2]	-	Report	2/year	Grab
NOAEL[3]	-	Report	2/year	Composi

The pH shall not be less than 6.5 standard units nor greater than 8.5 standard units and shall be monitored daily by grab sample. Report range.

There shall be no discharge of floating solids, visible foam or oil sheen in other than trace amounts

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: 002, discharge point to the Acushnet River.

1 For TTO definition and monitoring requirements, see paragraph I.A.6.

2 For VOC definition and monitoring requirements, see paragraph I.A.7.

3 For NOAEL definition and monitoring requirements, see paragraph I.A.8.

UENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date and lasting through the expiration date the permitte
orized to discharge from outfall serial number 004B - discharge from the Gale Oil Separator.

discharges shall be limited and monitored by the permittee as specified below:

uent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
, MGD	0.045	0.070	Continuous	Total Daily
Chromium, mg/l	0.4	0.8	2/month	Composite
valent Chromium, mg/l	0.10	0.25	2/month	Grab
Copper, mg/l	0.7	0.7	2/month	Composite
Lead, mg/l	0.2	0.3	2/month	Composite
Nickel, mg/l	1.8	3.6	2/month	Composite
Zinc, mg/l	1.2	2.6	2/month	Composite
nd Grease, mg/l	-	15	1/week	Grab
mg/l	20	30	1/month	Composite
	-	Report	1/month	Grab
2	-	Report	2/year	Grab
3	-	Report	2/year	Composite

H shall not be less than 6.5 standard units nor greater than 8.5 standard units and
be monitored monthly by grab sample. Report range.

shall be no discharge of floating solids, visible foam or oil sheen in other than trace amounts.

es taken in compliance with the monitoring requirements specified above shall be taken
e following locations: 004B, discharge from the Gale Oil Separator.

TTO definition and monitoring requirements, see paragraph I.A.6.
VOC definition and monitoring requirements, see paragraph I.A.7.
NOAEL definition and monitoring requirements, see paragraph I.A.8.

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

5. During the period beginning on the effective date and lasting through the expiration date the pen authorized to discharge from outfall serial number 004C - discharge from Gale Oil Separator, sanitary wastewater*, non-contact cooling water, and stormwater.

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Monitoring Requirements	
	Avg. Monthly	Max. Daily	Measurement Frequency	Sample Type
Flow, MGD	Report	Report	1/month	Estimate Total Dail
Temperature, °F	-	90	1/month	3 Grabs

The pH shall not be less than 6.5 standard units nor greater than 8.5 standard units and shall be monitored monthly by grab sample. Report range.

There shall be no discharge of floating solids or visible foam or oil sheen in other than trace amount

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: 004C, discharge point to the Acushnet River.

After completion of the extension of the City of New Bedford sanitary sewer to the sewer line at Wamsu Street, there shall be no discharge of sanitary wastewater to discharge 004C. There shall be no direc discharge of sanitary wastewater after March 1, 1990.

Total Toxic Organics

6. The term "Total Toxic Organics" (TTO) is the summation of all quantifiable values greater than 0.01 milligrams per liter (mg/l) for the following toxic organics:

Acenaphthene
Acrolein
Acrylonitrile
Benzene
Benzidine
Carbon tetrachloride (tetrachloromethane)
Chlorobenzene
1.2.4-trichlorobenzene
Hexachlorobenzene
1.2-dichloroethane
1.1.1-trichloroethane
Hexachloroethane
1.1-dichloroethane
1.1.2-trichloroethane
1.1.2.2-tetrachloroethane
Chloroethane
Bis (2-chloroethyl) ether
2-chloroethyl vinyl ether (mixed)
2-chloronaphthalene
2.4.6-trichlorophenol
Parachlorometa cresol
Chloroform (trichloromethane)
2-chlorophenol
1.2-dichlorobenzene
N-nitrosodi-n-propylamine
Pentachlorophenol
Phenol
Bis (2-ethylhexyl) phthalate
Butyl benzyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Diethyl phthalate
Dimethyl phthalate
1.2-benzanthracene (benzo(a)anthracene)
Benzo(a)pyrene (3.4-benzopyrene)
3.4-Benzofluoranthene (benzo(b)fluoranthene)
11.12-benzofluoranthene (benzo(k)fluoranthene)
Chrysene
Acenaphthylene
Anthracene
1.12-benzoperylene (benzo(ghi)perylene)
Fluorene
Phenanthrene
1.2.5.6-dibenzanthracene (dibenzo(a.h)anthracene)
Indeno(1.2.3-cd) pyrene (2.3-o-phenylene pyrene)
Pyrene
Tetrachloroethylene
Toluene
1.3-dichlorobenzene
1.4-dichlorobenzene
3.3-dichlorobenzidine
1.1-dichloroethylene
1.2-trans-dichloroethylene
2.4-dichlorophenol
1.2-dichloropropane (1.3-dichloropropene)
2.4-dimethylphenol
2.4-dinitrotoluene
2.6-dinitrotoluene
1.2-diphenylhydrazine
Ethylbenzene
Fluoranthene
4-chlorophenyl phenyl ether
4-bromophenyl phenyl ether
Bis (2-chloroisopropyl) ether
Bis (2-chloroethoxy) methane
Methylene chloride (dichloromethane)
Methyl chloride (chloromethane)
Methyl bromide (bromomethane)
Bromoform (tribromomethane)
Dichlorobromomethane
Chlorodibromomethane
Hexachlorobutadiene
Hexachlorocyclopentadiene
Isophorone
Naphthalene
Nitrobenzene
2-nitrophenol
4-nitrophenol
2.4-dinitrophenol
4.6-dinitro-o-cresol
N-nitrosodimethylamine
N-nitrosodiphenylamine
Trichloroethylene
Vinyl chloride (chloroethylene)
Aldrin
Dieldrin
Chlordane (technical mixture and metabolites)
4.4-DDT
4.4-DDE (p.p-DDX)
4.4-DDD (p.p-TDE)
Alpha-endosulfan
Beta-endosulfan
Endosulfan sulfate
Endrin
Endrin aldehyde
Heptachlor
Heptachlor epoxide
(BHC-hexachlorocyclohexane)
Alpha-BHC
Beta-BHC
Gamma-BHC
Delta-BHC
(PCB-polychlorinated biphenyls)
PCB-1242 (Arochlor 1242)
PCB-1254 (Arochlor 1254)
PCB-1221 (Arochlor 1221)
PCB-1232 (Arochlor 1232)
PCB-1248 (Arochlor 1248)
PCB-1260 (Arochlor 1260)
PCB-1016 (Arochlor 1016)
Toxaphene
2.3.7.8-tetrachlorodibenzo-p-dioxin (TCDD)

In monitoring for Total Toxic Organics, the permittee need analyze for only those pollutants which would reasonably be expected to be present. The permittee may make the following certification on its monitoring reports in lieu of conducting an analysis: "Based on my inquiry of the person or persons directly responsible for managing compliance with the permit limitations for total toxic organics (TTO). I certify that, to the best of my knowedge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing of the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the permitting authority.

In requesting the certification alternative the permittee shall submit a solvent management plan that specifies, to the satisfaction of the permitting authority, the toxic organic compounds used: the method of disposal used instead of dumping, such as reclamation, contract hauling, or incineration: and procedures for ensuring that toxic organics do not routinely spill or leak into the wastewater. This plan shall become a part of and an enforceable provision of this permit.

7. Volatile Organic Compounds (VOCs)

The permittee shall perform a GC/MS analysis on a representative effluent sample for the presence of volatile organic compounds (VOCs). This analysis shall be conducted twice per year during the months March and September. If after a period of two years no significant concentrations of VOCs are present in the effluent, then the monitoring frequency for VOC testing may be reduced through permit modification. The test method to be used for this analysis is EPA Method 624 for purgeable organics (see 40 CFR 136, Appendix A for a description of the test procedure). Testing for VOCs should be performed on the same effluent samples that are used for acute toxicity testing. If any pollutants are listed as being below detection limits, the applicable detection limit for each pollutant must be clearly indicated in the monitoring report.

8. Toxicity Testing and Chemical Analysis

a. Toxicity Testing - Monitoring Frequency and Reporting

Acute toxicity tests shall be performed twice per year during the months of March and September. Reports of test results should be submitted by the 15th day of the second month following the reporting period (i.e. the report for March is due May 15th).

b. Description of Required Toxicity Testing

Acute

Acute toxicity testing is used to determine the effluent concentration, by volume, that is lethal to 50 percent of the test organisms within a prescribed period of time, usually 96 hours or less. Death is the effect measured. Effluent toxicity thus measured is expressed as the median lethal concentration in percent effluent by volume, or LC50. The No Observed Acute Effect Level (NOAEL) is the effluent concentration at which 90% or more test organisms survive.

Test Protocol

Duration:	48 hours
Marine or Estuarine Species:	Mysid *Mysidopsis bahia*
End Point:	LC50 and No Observed Acute Effect Level (NOAEL)

The testing procedures must be reviewed and approved in advance by the EPA's Environmental Services Division. ESD may be reached by telephone at (617) 861-6700.

c. Reference:

° Methods for Measuring the Acute Toxicity of Effluents to Fresh Water and Marine Organisms, EPA/600/4-85/013

d. Chemical Analyses

Results of chemical analyses for the pollutants listed in I.A.3. and I.A.4. and VOC analysis results shall be submitted with the toxicity test results for the corresponding month (copies of DMRs may be used).

9. This permit may be modified, or alternatively, revoked and reissued, to incorporate any new information developed as a result of toxicity tests, chemical analyses, stream monitoring, etc.

C. MONITORING AND REPORTING

1. Reporting

Monitoring results obtained during the previous month shall be summarized for each month and reported on separate Discharge Monitoring Report Form(s) postmarked no later than the 15th day of the month following the completed reporting period, with the exception of toxicity testing results, which are due on the 15th day of the second month following the completed reporting period (see paragraph I.A.8.). The first report is due on the 15th day of the month following the effective date of the permit.

Signed copies of these, and all other reports required herein, shall be submitted to the Director at the following address:

Permit Compliance Section
Compliance Branch
Water Management Division
Environmental Protection Agency
JFK Federal Building
Boston, MA 02203

Duplicate signed copies of all monitoring reports shall be submitted to the State at:

Massachusetts Department of Environmental Quality Engineering
Massachusetts Division of Water Pollution Control
Southeastern Regional Office
Lakeville Hospital
Lakeville, Massachussetts 02346

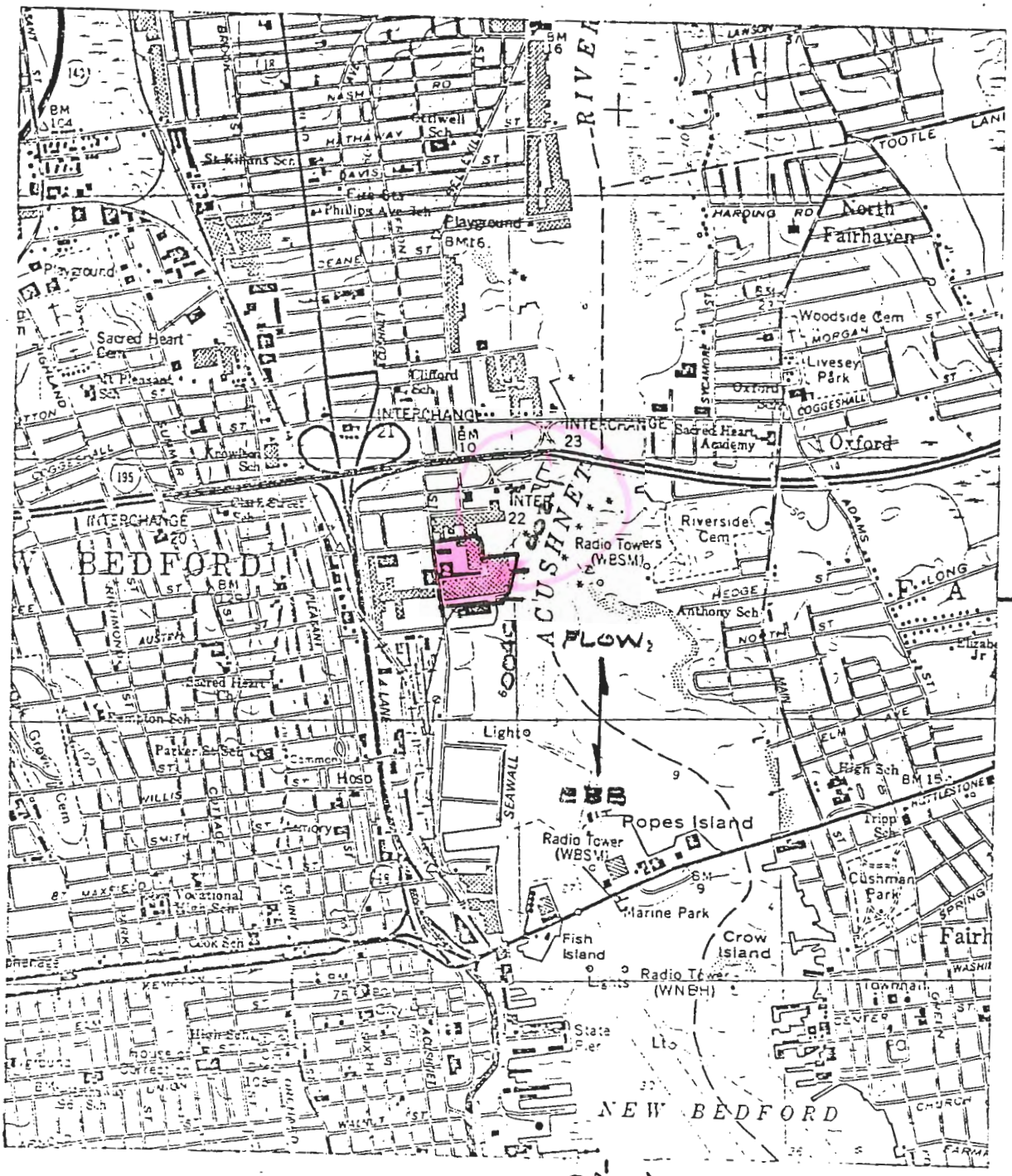
Signed copies of all other notifications and reports required by this permit shall be submitted to the State at:

Massachusetts Department of Environmental Quality Engineering
Massachusetts Division of Water Pollution Control
Regulatory Branch
1 Winter Street
Boston, Massachusetts 02108

C. STATE PERMIT CONDITIONS

This Discharge Permit is issued jointly by the U. S. Environmental Protection Agency and the Division of Water Pollution Control under Federal and State law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Director of the Massachusetts Division of Water Pollution Control pursuant to M.G.L. Chap. 21, §43.

Each Agency shall have the independent right to enforce the terms and conditions of this Permit. Any modification, suspension or revocation of this Permit shall be effective only with respect to the Agency taking such action, and shall not affect the validity or status of this Permit as issued by the other Agency, unless and until each Agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this Permit is declared, invalid, illegal or otherwise issued in violation of State law such permit shall remain in full force and effect under Federal law as an NPDES Permit issued by the U. S. Environmental Protection Agency. In the event this Permit is declared invalid, illegal or otherwise issued in violation of Federal law, this Permit shall remain in full force and effect under State law as a Permit issued by the Commonwealth of Massachusetts.



-ID 6

USGS MAP NEW BEDFORD NORTH, MASS.

LOCATION MAP

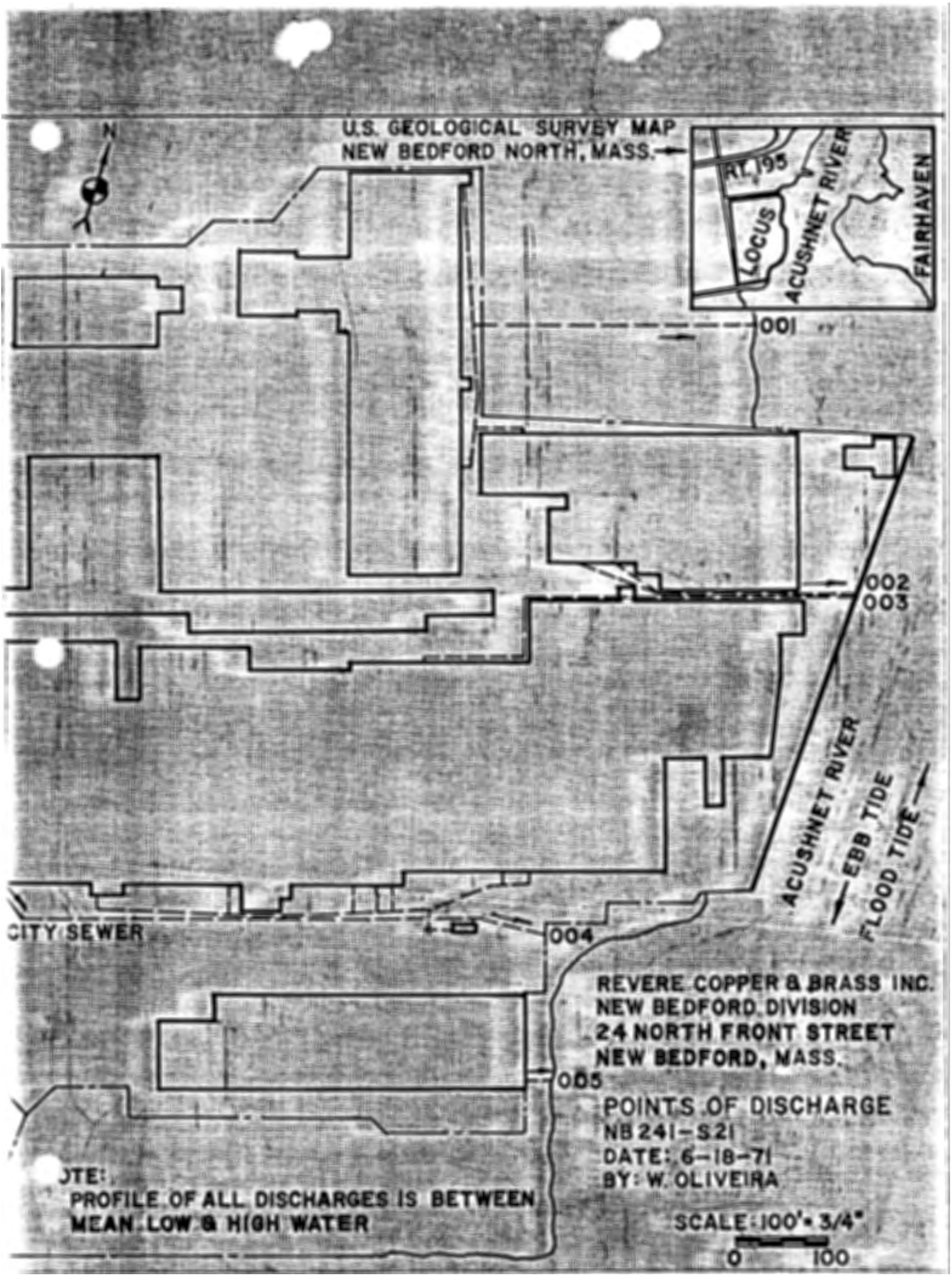
REVERE COPPER PRODUCTS, INC.

SUBSIDIARY OF REVERE COPPER AND BRASS INCORPORATED

24 NORTH FRONT STREET

NEW BEDFORD, MASS.

DWG. NB241S25 11-11-80 MS


N
U.S. GEOLOGICAL SURVEY MAP
NEW BEDFORD NORTH, MASS.
RT. 195
LOCUS
ACUSHNET RIVER
FAIRHAVEN
001
002
003
ACUSHNET RIVER
EBB TIDE
FLOOD TIDE
CITY SEWER
004
005
REVERE COPPER & BRASS INC.
NEW BEDFORD DIVISION
24 NORTH FRONT STREET
NEW BEDFORD, MASS.
POINTS OF DISCHARGE
NB 241-S21
DATE: 6-18-71
BY: W. OLIVEIRA
OTE:
PROFILE OF ALL DISCHARGES IS BETWEEN
MEAN LOW & HIGH WATER
SCALE: 100' = 3/4"
0
100

NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

Federal Permit No. MA0003336
State Permit No. 34
State Application No. 549

DISCHARGE PERMIT

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"), and the Massachusetts Clean Waters Act, as amended, (M.G.L., C.21, §§26-53),

Teledyne Rodney Metals

is authorized to discharge from a facility located at

1357 East Rodney French Boulevard
New Bedford, MA 02742

to receiving waters named

Buzzard's Bay

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on the 45th day after date of signature

This permit and the authorization to discharge shall expire at midnight, 5 years from date of issuance.

Signed this 20 day of March, 1978.

Leslie Carothers, Director
Enforcement Division
Environmental Protection Agency

Thomas C. McMahon, Director
Division of Water Pollution Contr
Commonwealth of Massachusetts

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning effective date and lasting through expiration
the permittee is authorized to discharge from outfall(s) serial number(s) 001

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day)		Other Units (Specify)		Monitoring Requirements	
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement* Frequency	Sample Type
Flow - M_3/day (MGD)	-	-	(0.75)	-	quarterly	estimate
Temperature °C(°F)	-	-	-	35.6(96)	quarterly	Daily Avg.
	-	-	-			-

Allowable Temperature Increase- none except where the increase will not exceed the recommended limit on the most sensitive receiving water use.

*Except that four grab samples are to be taken at regular intervals during one normal operating day in both August and September.

The pH shall not be less than 6.8 standard units nor greater than 8.5 standard units and shall be monitored quarterly (report range)

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

discharge 001

C. MONITORING AND REPORTING

1. *Representative Sampling*

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. *Reporting*

Monitoring results obtained during the previous 6 months shall be summarized for each quarter and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on August 10, 1978 . Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the State at the following addresses:

Environmental Protection Agency
Region I - Permits Branch
P.O. Box 8127
Boston, MA 02114

Massachusetts Division of Water
Pollution Control
110 Tremont Street
Boston, MA 02108

3. ~~*Definitions*~~ See Attached Sheets

~~a. The "daily average" discharge means the total discharge by weight during a calendar~~ month divided by the number of days in the month that the production or commercial facility was operating. Where less than daily sampling is required by this permit, the daily average discharge shall be determined by the summation of all the measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made.

b. The "daily maximum" discharge means the total discharge by weight during any ~~calendar day.~~

4. *Test Procedures*

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

5. *Recording of Results*

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

a. The exact place, date, and time of sampling;

b. The dates the analyses were performed;

c. The person(s) who performed the analyses;

d. The analytical techniques or methods used; and

e. The results of all required analyses.

6. *Additional Monitoring by Permittee*

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1). Such increased frequency shall also be indicated.

7. *Records Retention*

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.

A. MANAGEMENT REQUIREMENTS

1. *Change in Discharge*

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. *Noncompliance Notification*

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

a. A description of the discharge and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

3. *Facilities Operation*

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. *Adverse Impact*

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. *Bypassing*

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

6. *Removed Substances*

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

7. *Power Failures*

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if such alternative power source is not in existence, and no date for its implementation appears in Part I,

b. Halt, reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

B. RESPONSIBILITIES

1. *Right of Entry*

The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. *Transfer of Ownership or Control*

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

3. *Availability of Reports*

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public

inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

4. *Permit Modification*

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. *Toxic Pollutants*

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

6. *Civil and Criminal Liability*

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. *Oil and Hazardous Substance Liability*

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. *State Laws*

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

9. *Property Rights*

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

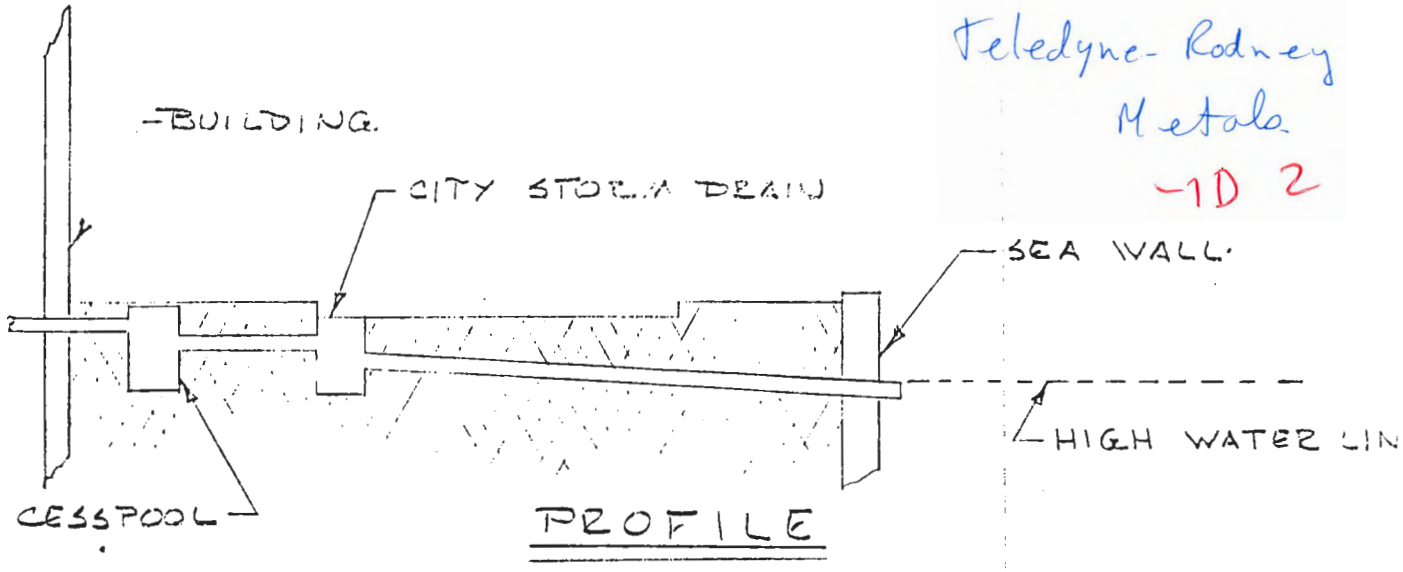
10. *Severability*

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

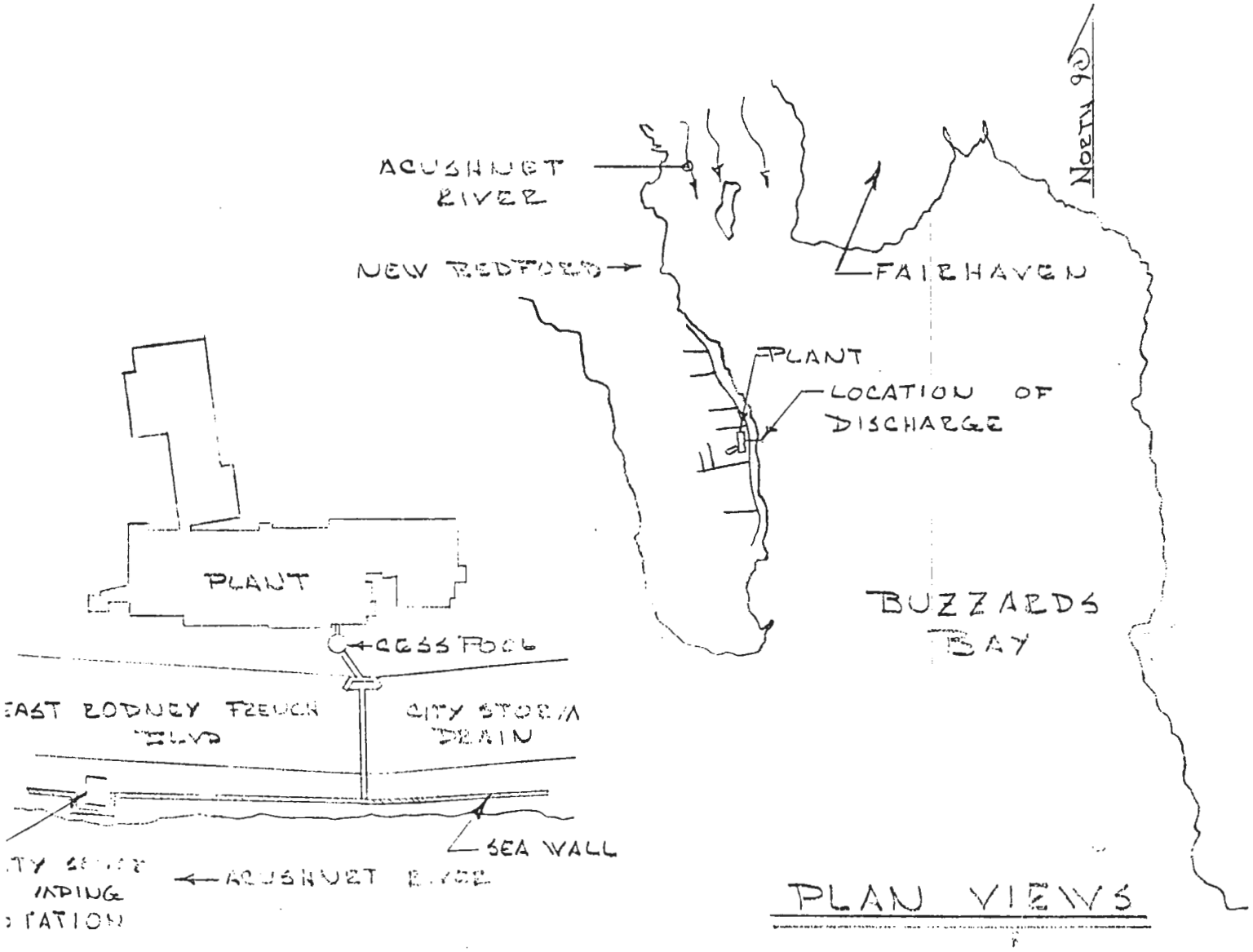
PART III

OTHER REQUIREMENTS

Teledyne-Rodney Metals
-1D 2

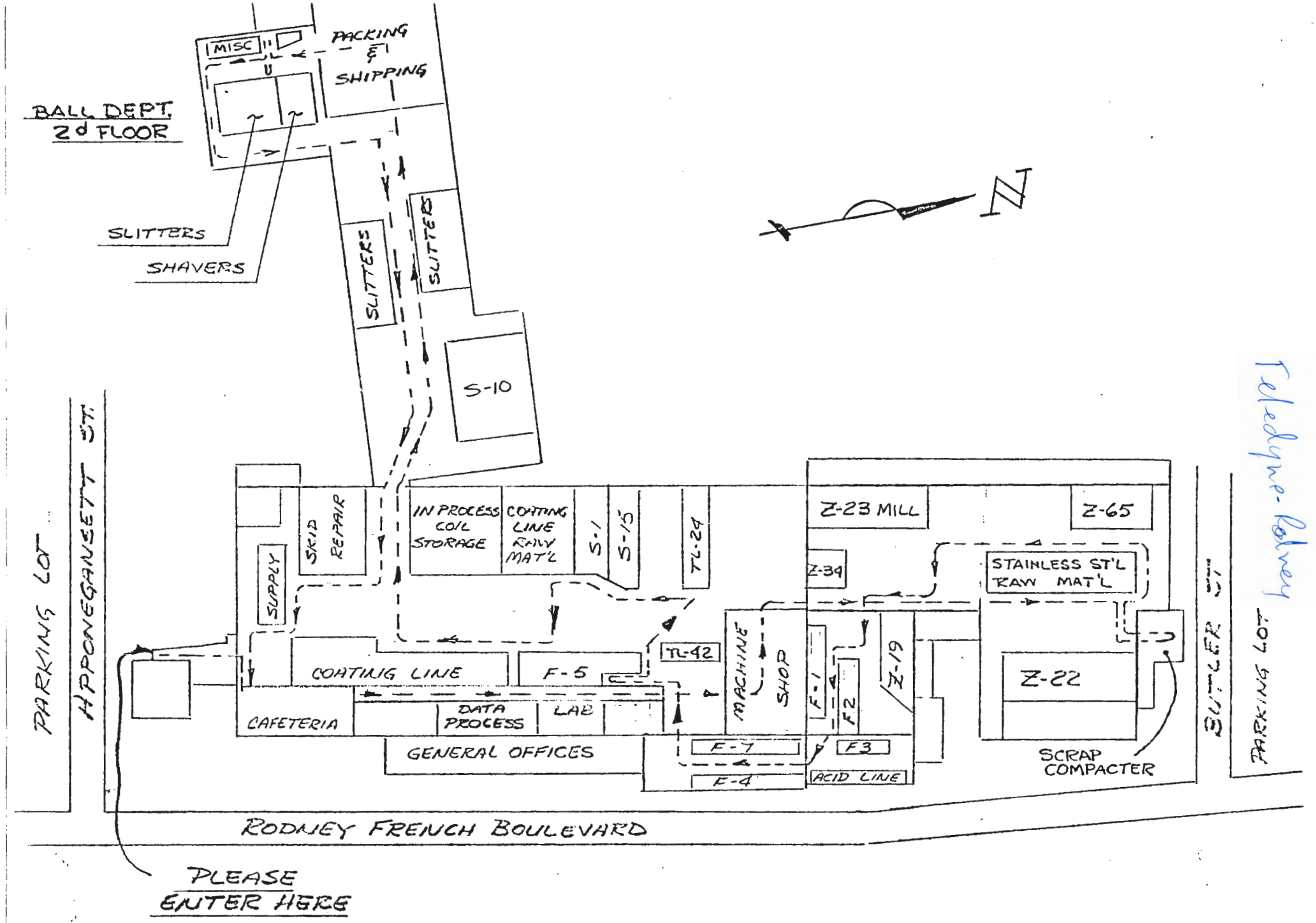


PROFILE



PLAN VIEWS

5-12-82
KDP 8/24/82 A CARREIRO



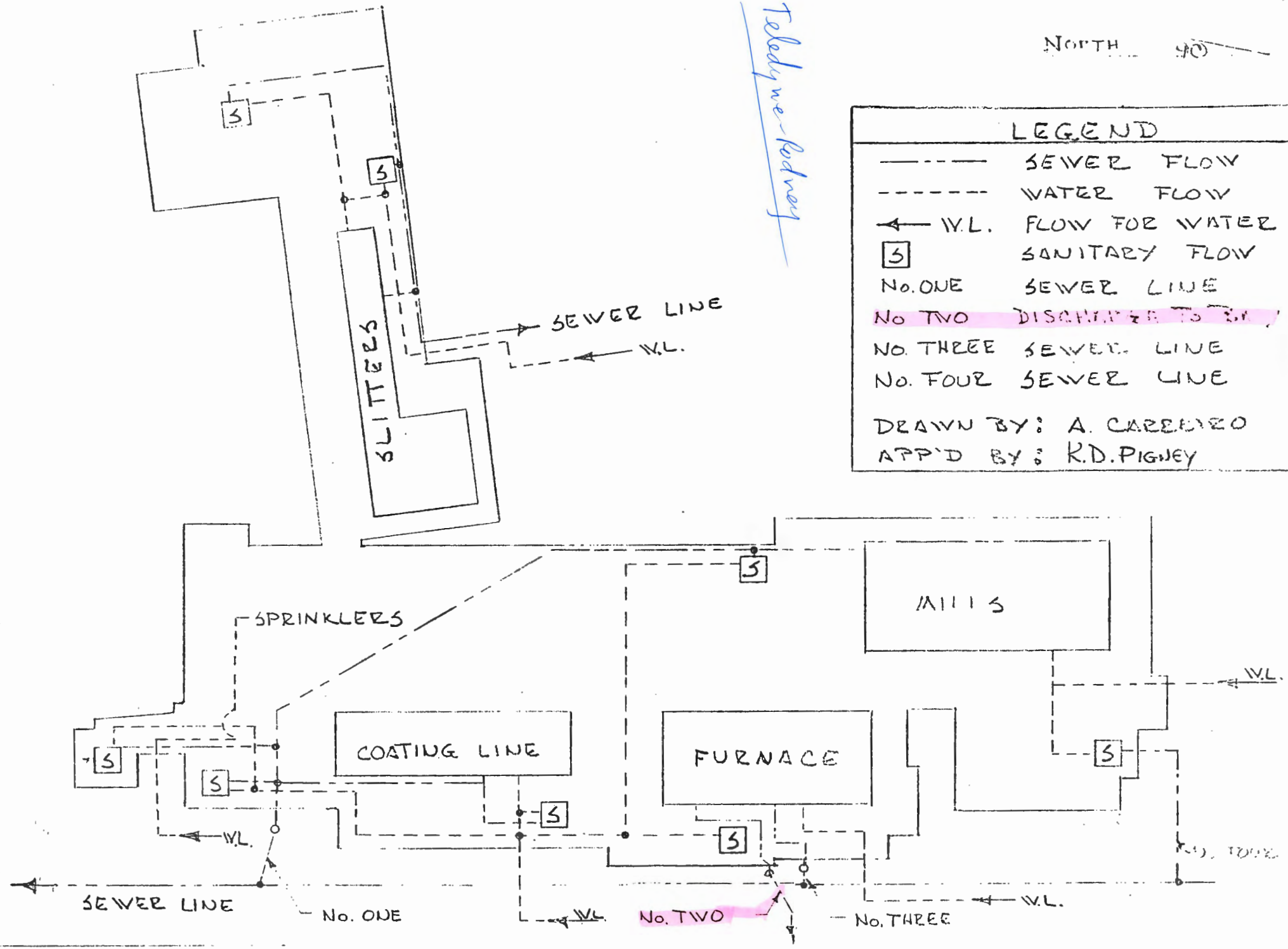
APR. 1, 1980 DHS

Teledyne-Redney

NORTH

LEGEND	
———	SEWER FLOW
- - - - -	WATER FLOW
← W.L.	FLOW FOR WATER
[S]	SANITARY FLOW
No. ONE	SEWER LINE
No TWO	DISCHARGE TO [illegible]
NO. THREE	SEWER LINE
No. FOUR	SEWER LINE

DRAWN BY: A. CARRERO
APP'D BY: R.D. PIGNEY



Commonwealth of Massachusetts

Riverways Programs

Maria Van Dusen, *Riverways Coordinator*
Joan C. Kimball, *Adopt-A-Stream Coordinator*
Russell A. Cohen, *Rivers Advocate*
Karen I. Pelto, *Stream Ecologist*

Dear River Advocate:

Enclosed is a National Pollutant Discharge Elimination System (NPDES) permit that is up for renewal in your watershed. We urge you to read it carefully and, if there are water quality or fishery protection issues you feel need to be addressed, provide written comments to the federal Environmental Protection Agency and state Department of Environmental Protection. We've enclosed a fact sheet that explains the NPDES process and how to get involved.

NPDES permits are renewed on a five-year basis, so your comments are important today. In addition to comments, you may want to summarize the permit information and keep it on file for future reference and use. We've provided a copy of a sample summary sheet that the Millers River Watershed Council developed during their 1992 Riverways Small Grant NPDES project to help get you started.

Riverways is planning a workshop on the "inside scoop" of reviewing NPDES permits - what to look for, what kind of river or stream information is most helpful to provide to the water quality decision-making agencies, etc. Please call me at 617-727-1614 extension 359 if you are interested in attending and I'll be sure to send you a notice.

Sincerely,

Karen I. Pelto
Stream Ecologist

100 Cambridge Street • Room 1901 • Boston, Massachusetts 02202 (617) 727-1614 x 360
An Agency of the Department of Fisheries, Wildlife & Environmental Law Enforcement
John C. Phillips, *Commissioner*

MILLERS RIVER WATERSHED COUNCIL
NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

Other Parameters:

RECENT COMPLIANCE ACTION / OTHER

NPDES Summary Sheet

Facility Name:
Owner:
Location:

EPA Permit #

MA Permit #

Last Permit Date:
Permit Expiration:

Facility Type:
Effluent:
Receiving Water:

Treatment Level:
Major/Minor:

If discharger is WWTP, industrial pretreatment required:
Effluent Sources (See attached Pretreatment Summary Sheet):

If discharger is industrial, describe process and product:

Onsite treatment description:

Discharge to WWTP:

PERMIT LIMITS

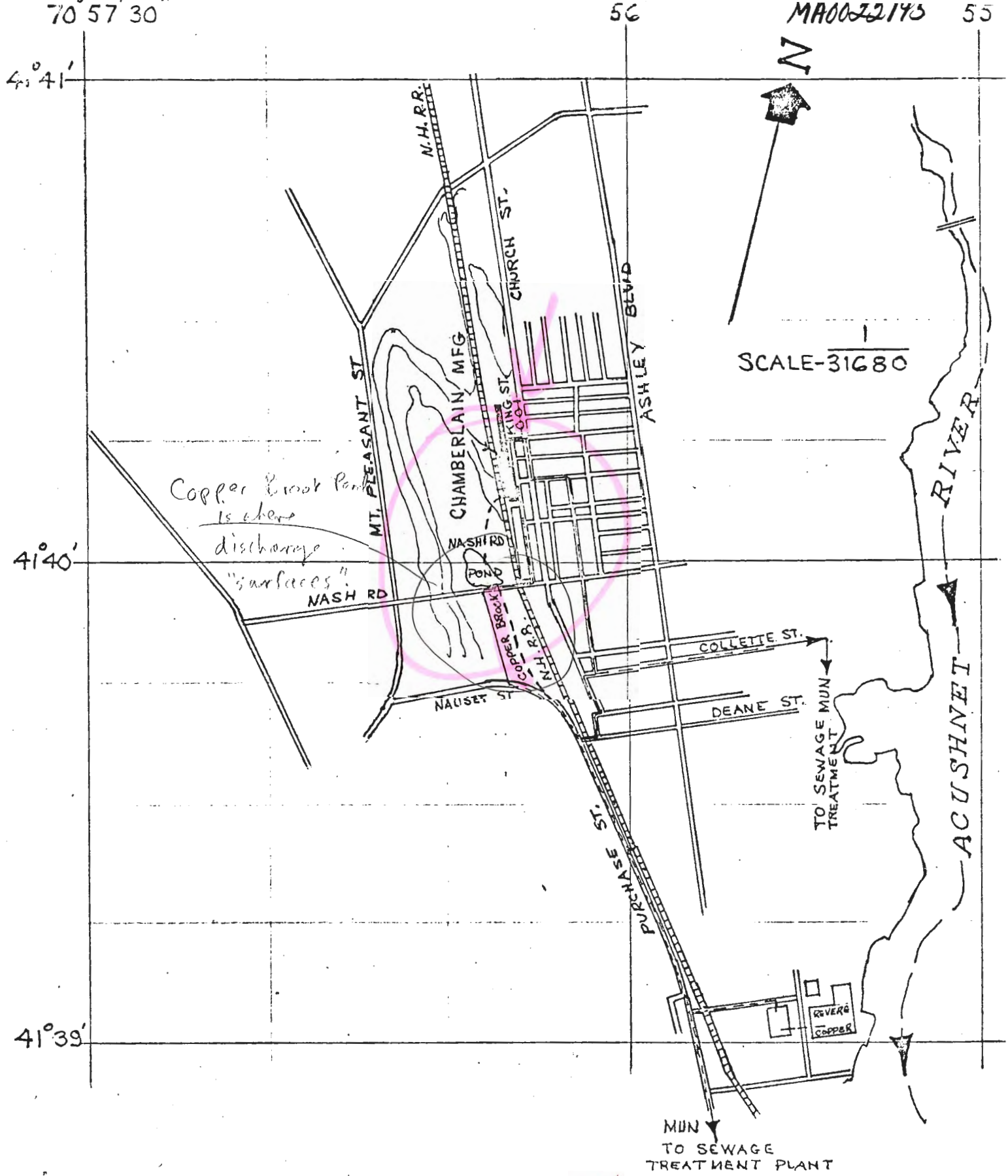
Flow: Design MGD Actual MGD 7Q10 cfs

Conventional Parameters:

BOD_5
TSS
SS
pH
Fecal Coliform

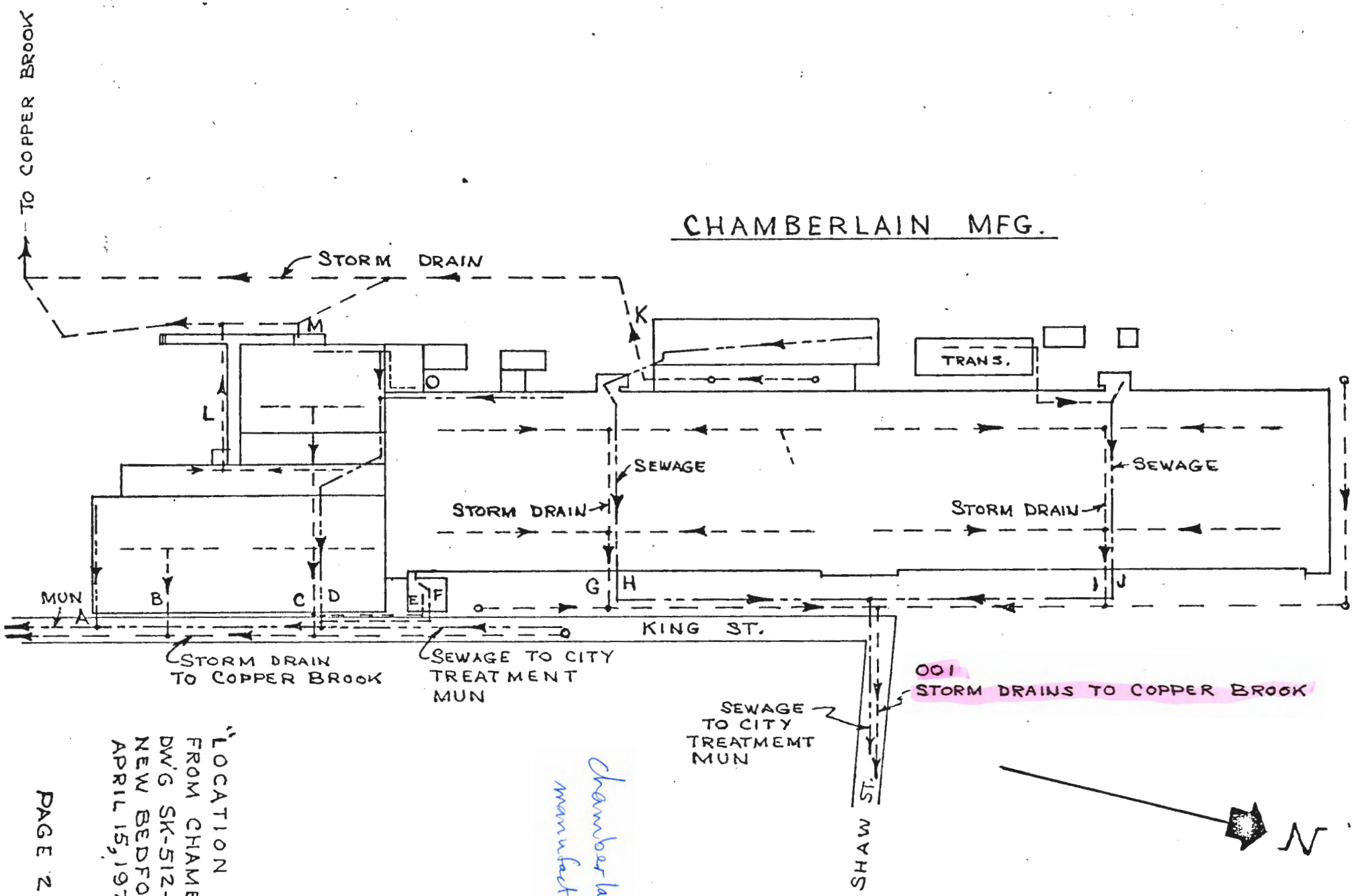
Other Parameters:

RECENT COMPLIANCE ACTION / OTHER



-ID 18

"LOCATION MAP"
FROM TOPOGRAPHICAL M
CITY OF NEW BEDFORD, M
CHAMBERLAIN MFG.
NEW BEDFORD, MASS.
BRISTOL COUNTY
APRIL 15, 1974 PAGE 1 of 2

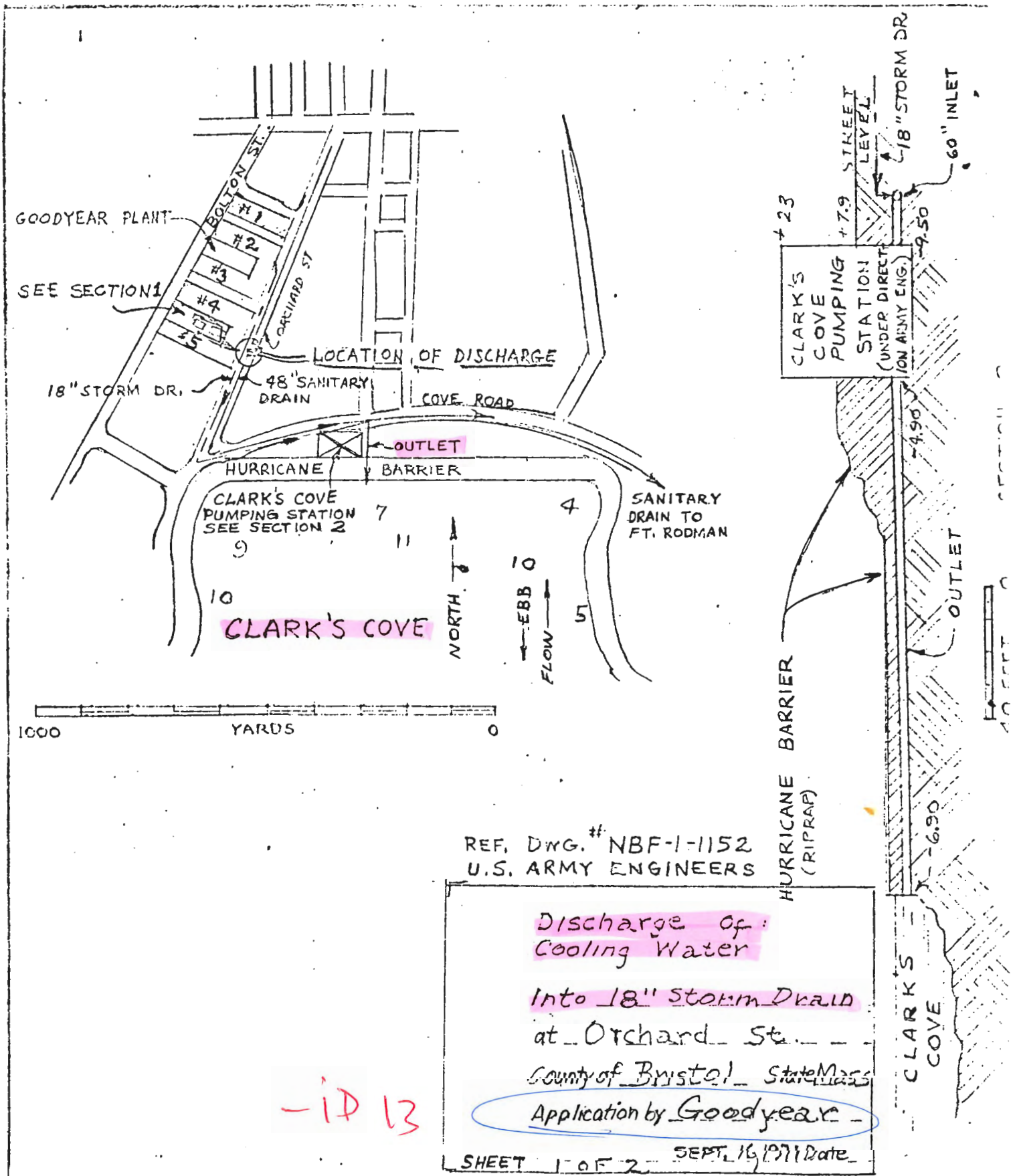


"LOCATION MAP"
FROM CHAMBERLAIN
DW'G SK-512-73
NEW BEDFORD, MA
APRIL 15, 1974

Chamberlain manufacturing

PAGE 2 OF 2

MA0022196



REF. DWG. # NBF-1-1152
U.S. ARMY ENGINEERS

Discharge of Cooling Water

Into 18" Storm Drain

at Orchard St.

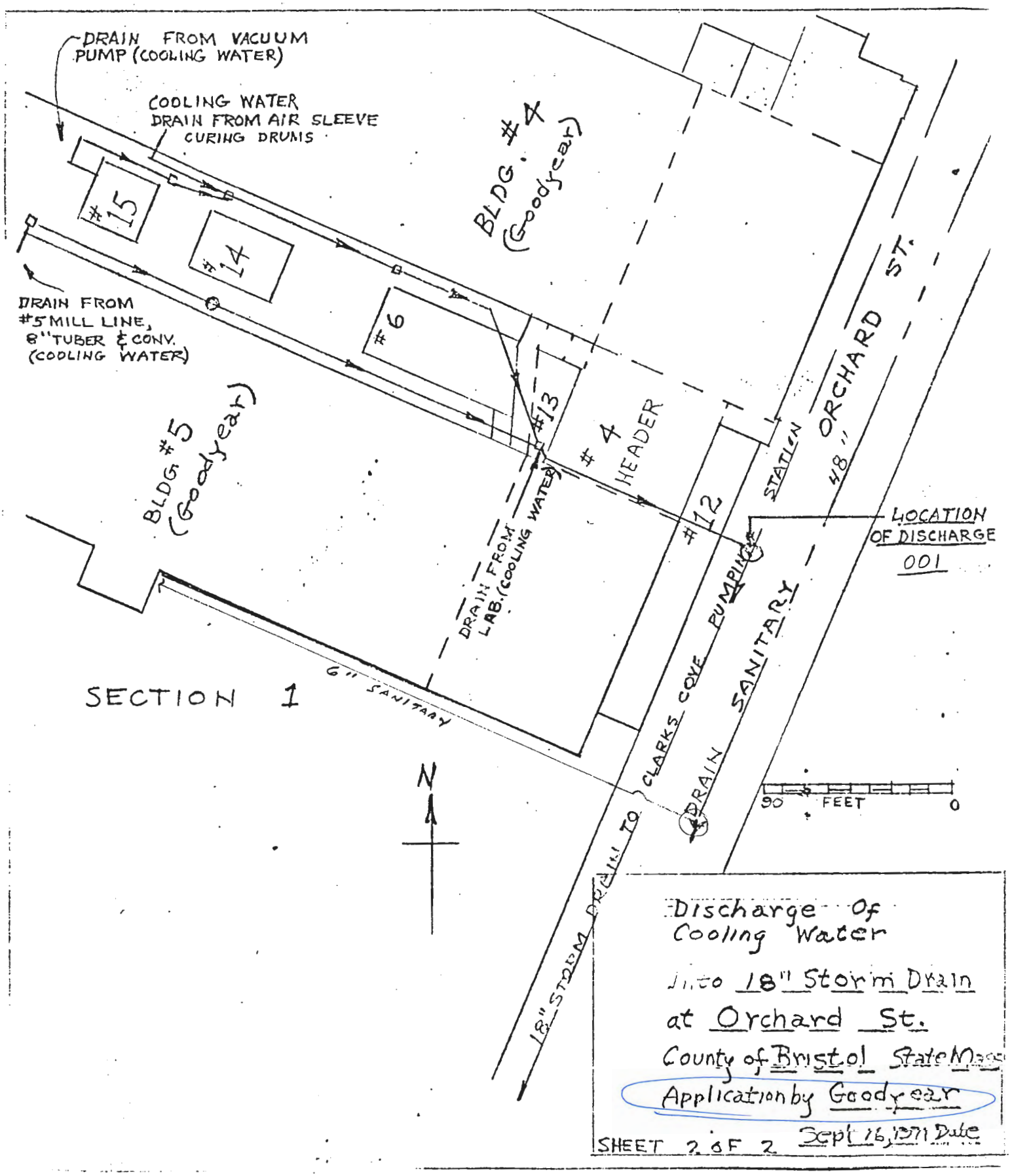
County of Bristol State Mass

Application by Goodyear

SEPT. 16, 1977 Date

SHEET 1 OF 2

-ID 13



Discharge Of Cooling Water

into 18" Storm Drain

at Orchard St.

County of Bristol State Mass

Application by Goodyear

SHEET 2 OF 2 Sept 16, 1971 Date