



# U.S. Environmental Protection Agency

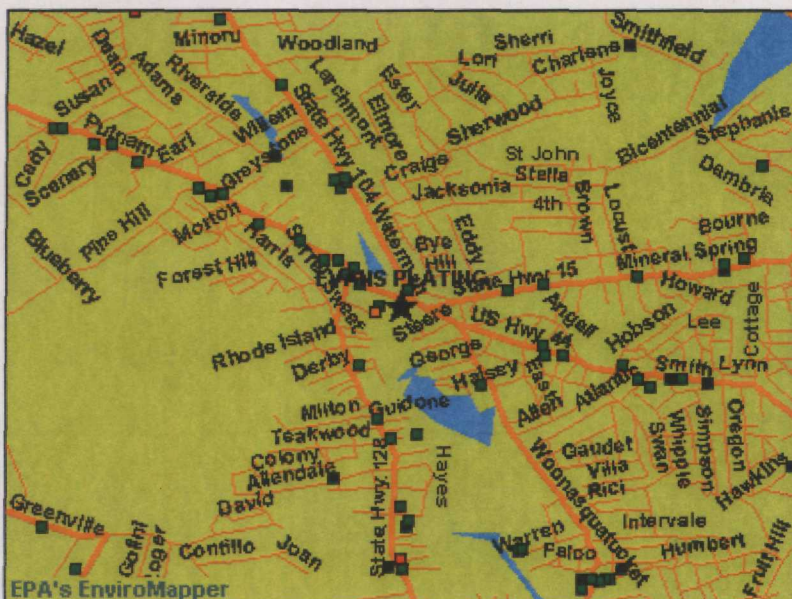
## Locational Reference Tables (LRT)

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### Facility Location Information



**EVANS PLATING**  
**50 WATERMAN AVENUE**  
**NORTH PROVIDENCE RI 02911**  
Latitude: 41.858 Longitude: -71.486



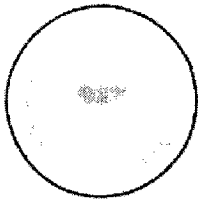
- LEGEND**
- ☆ Facility location
  - Discharges to water
  - Superfund sites
  - Hazardous waste
  - Toxic releases
  - Air releases
  - BRS
  - Multiple
  - ~ Streets
  - Water Bodies
  - Counties
- \*Color of ☆ denotes type of facility.

The latitude and longitude coordinates above come from the Envirofacts Locational Reference Tables (LRT). The method used to derive the Most Accurate Coordinates was ADDRESS MATCHING-HOUSE NUMBER. These coordinates correspond to N/A and represent the best location for the facility. The coordinates were obtained from EPA HEADQUARTERS.

Query executed on AUG-05-2004

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# Facility Detail Report



Facility Name:	EVANS PLATING
Location Address:	50 WATERMAN AVENUE
Supplemental Address:	
City Name:	NORTH PROVIDENCE
State:	RI
County Name:	PROVIDENCE
ZIP/Postal Code:	02911
EPA Region:	01
Congressional District Number:	02
Legislative District Number:	
HUC Code:	01090004
Federal Facility:	NO
Tribal Land:	
Latitude:	41.858
Longitude:	-71.486
Method:	
Reference Point Description:	
Duns Number:	
Registry ID:	110001663511

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## Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
AIRS/AFS	RI0889557	AIR MINOR	AIRS/AFS	07/17/1998	
					ICIS-01-2001-0179 FORMAL ENFORCEMENT

ICIS	22226	FORMAL ENFORCEMENT ACTION	ICIS	10/29/2002	ACTION ICIS-01-2002-0189 FORMAL ENFORCEMENT ACTION ICIS-01-2002-0204 FORMAL ENFORCEMENT ACTION
PCS	RIU250431	NPDES NON-MAJOR	NPDES PERMIT		
RCRAINFO	RID001191931	SQG	RCRAINFO	04/27/2004	
TRIS	02911VNSPL50WAT	TRI REPORTER	TRI REPORTING FORM	06/29/1998	

### Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
FACILITY MAILING ADDRESS	50 WATERMAN AVENUE	NORTH PROVIDENCE	RI	02911	AIRS/AFS
FACILITY MAILING ADDRESS	P.O. BOX 113856	CENTERDALE	RI	02911	TRIS
FACILITY MAILING ADDRESS	PO BOX 113856	CENTREDALE	RI	029110000	RCRAINFO
OWNER	OWNERSTREET	OWNERCITY	RI	99999	RCRAINFO
REGULATORY CONTACT	50 WATERMAN AVE	CENTERDALE	RI	02911	RCRAINFO

### NAICS Codes

Data Source	NAICS Code	Description	Primary	Report Discrepancy
RCRAINFO	332813	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING.		Report

### SIC Codes

Data Source	SIC Code	Description	Primary	Report Discrepancy
AIRS/AFS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING		Report
ICIS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING		Report
TRIS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING		Report

## Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	Report Discrepancy
COGNIZANT OFFICIAL	C. CHARLES BLANCARD, PRESIDENT		PCS		Report
PUBLIC CONTACT	THOMAS MORRA	4012315421	TRIS		Report
REGULATORY CONTACT	THOMAS S MORRA	4012315421	RCRAINFO	View	Report

## Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address	Report Discrepancy
OWNER	EVANS PLATING CORPORATION		RCRAINFO	View	Report

## Alternative Names

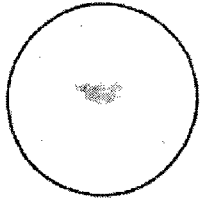
No Alternative Names returned.

Query executed on: AUG-05-2004

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TRI Reporting and Regulatory Information

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# Chemical Report



## EVANS PLATING CORP.

TRI Facility ID: 02911VNSPL50WAT

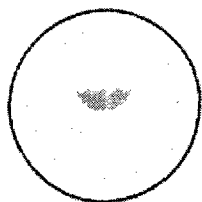
Query executed on AUG-05-2004

Results are based on data extracted on JUN-23-2004

Chemical Name	TRI Chemical ID	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	007647010	Not Reported	Not Reported	Not Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported
NICKEL	007440020	Not Reported	Reported	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
NICKEL COMPOUNDS	N495	Reported	Not Reported	Not Reported	Reported	Reported	Reported	Reported	Not Reported	Not Reported	Not Reported
SODIUM HYDROXIDE (SOLUTION)	001310732	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
SODIUM SULFATE (SOLUTION)	007757826	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	007664939	Not Reported	Not Reported	Not Reported	Not Reported	Reported	Reported	Reported	Reported	Reported	Reported
ZINC COMPOUNDS	N982	Not Reported	Not Reported	Not Reported	Not Reported	Reported	Reported	Not Reported	Not Reported	Not Reported	Not Reported

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# Envirofacts Report



Query executed on AUG-05-2004  
 Results are based on data extracted on JUN-23-2004

Click on "View Facility Information" to view EPA Facility information for the facility.

Facility Name:	EVANS PLATING CORP.	Mailing Name:	EVANS PLATING CORP.		
Address:	50 WATERMAN AVE. CENTERDALE RI 02911	Mailing Address:	P.O. BOX 113856 CENTERDALE RI 02911		
County:	PROVIDENCE	Region:	1		
Facility Information:	<a href="#">View Facility Information</a>	TRI ID:	02911VNSPL50WAT	DUNS Number:	001191931
TRI Preferred Latitude:	41.859722	FRS ID	110001663511	TRI Preferred Longitude:	71.478889
Public Contact:	THOMAS MORRA	Phone:	4012315421		
Parent Company:	NA	Parent DUNS:	NA		

### SIC Codes for 1997

SIC CODE	SIC DESCRIPTION
3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

**The above information comes from 1997, which is the latest reporting year on file for this facility. The earliest reporting year on file for this facility is 1987.**

[Map this facility](#)

Map this facility using one of Envirofact's mapping utilities.

Besides TRI, this facility also does the following:

- has reported air releases under the Clean Air Act
- has permits to discharge to water

More information about these additional regulatory aspects of this facility can be found by pressing the other regulatory



data button below.

Other Regulatory Data

### Total Aggregate Releases of TRI Chemicals to the Environment:

For all releases estimated as a range, the mid-point of the range was used in these calculations. This table summarizes the releases reported by the facility. **NR** - signifies nothing reported by this facility for the corresponding medium.

#### Total Aggregate Releases of TRI Chemicals excluding Dioxin and Dioxin-like Compounds (Measured in Pounds)

Media	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Air Emissions	NR	NR	NR	2000	2000	2000	2000	2000	2000	2750	2750
Surface Water Discharges	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Releases to Land	NR	NR	NR	NR	NR	NR	NR	NR	0	NR	NR
Underground Injection	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total On-Site Releases	NR	NR	NR	2000	2000	2000	2000	2000	2000	2750	2750
Transfer Off-Site to Disposal	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Releases	NR	NR	NR	2000	2000	2000	2000	2000	2000	2750	2750

Graphic Summary of this Table

#### Total Aggregate Releases of Dioxin and Dioxin-like Compounds (Measured in Grams)

Media	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
Air Emissions	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Surface Water Discharges	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Releases to Land	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Underground Injection	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total On-Site Releases	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Transfer Off-Site to Disposal	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Releases	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Graphic Summary of this Table

#### TRI Chemicals Reported on Form A:

Please note that there were no chemicals reported on Form A for this facility

#### NOTE:

All chemicals reported below have release or transfer amounts greater than zero. To see a list of all chemicals reported by this facility click [here](#).

### Names and Amounts of Chemicals Released to the Environment by Year.

For all releases estimated as a range, the mid-point of the range was used in these calculations. **NR** - signifies nothing reported for this facility by the corresponding medium. Rows with all "0" or "NR" values were not listed.

Chemical Name	Media	Unit Of Measure	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY) (TRI Chemical ID: 007647010)	AIR FUG	Pounds	NR	NR	NR	2000	2000	2000	2000	2000	2000	2000	2000
SODIUM HYDROXIDE (SOLUTION) (TRI Chemical ID: 001310732)	AIR FUG	Pounds	NR	NR	NR	NR	NR	NR	NR	NR	NR	750	750

### Discharge of Chemicals into Streams or Bodies of Water:

Please note that either there were no releases of chemicals into streams or bodies of water reported by this facility or the facility did not file a TRI form R for the years 1987 to 2000. Rows with Release Amount equal to "0" were not listed.

### Transfer of Chemicals to Off-Site Locations other than POTWs:

Please note that transfer amounts are not included in release totals shown above. For all releases estimated as a range, the mid-point of the range was used in these calculations. Rows with Total Transfer Amount equal to "0" were not listed.

Chemical Name	Year	Unit Of Measure	Total Transfer Amount	Transfer Site Name and Address	Type Of Waste Management
NICKEL (TRI Chemical ID: 007440020)	1996	Pounds	1400	WORLD RESOURCES CO., WRC PROCESSING WALNUT LN. RD. #5 POTTSVILLE, PA 17901	Metals Recovery
NICKEL (TRI Chemical ID: 007440020)	1996	Pounds	160	ENVOTECH MGMT SERVICES INC. 49350 NORTH SERVICE DR. DELLEVILLE, MI 48111	Landfill/Disposal Surface Impoundment
NICKEL (TRI Chemical ID: 007440020)	1995	Pounds	1600	WORLD RESOURCES CO., WRC PROCESSING WALNUT LN. RD. #5 POTTSVILLE, PA 17901	Metals Recovery
NICKEL COMPOUNDS (TRI Chemical ID: N495)	1997	Pounds	2000	WORLD RESOURCES CO., WRC PROCESSING WALNUT LN. RD. #5 POTTSVILLE, PA 17901	Metals Recovery
NICKEL COMPOUNDS (TRI Chemical ID: N495)	1994	Pounds	1300	WORLD RESOURCES CO., WRC PROCESSING WALNUT LN. RD. #5 POTTSVILLE, PA 17901	Metals Recovery



NICKEL COMPOUNDS (TRI Chemical ID: N495)	1993	Pounds	1600	WORLD RESOURCES CO/WRC PROCESS, CO. WALNUT LN. RD. #5 BOX 5553 POTTSVILLE, PA 17901	Metals Recovery
NICKEL COMPOUNDS (TRI Chemical ID: N495)	1992	Pounds	3050	WORLD RESOURCES CO., WRC PROCESSING CO. WALNUT LN. RD. #5 BOX 5553 POTTSVILLE, PA 17901	Metals Recovery
NICKEL COMPOUNDS (TRI Chemical ID: N495)	1991	Pounds	1455	WORLD RESOURCES CO., WRC PROCESSING CO. WALNUT LN. RD. #5 BOX 5553 POTTSVILLE, PA 17901	Metals Recovery
ZINC COMPOUNDS (TRI Chemical ID: N982)	1993	Pounds	2650	WORLD RESOURCES CO./WRC, PROCESSING CO. WALNUT LN. RD. #5 BOX 5553 POTTSVILLE, PA 17901	Metals Recovery
ZINC COMPOUNDS (TRI Chemical ID: N982)	1992	Pounds	3100	WORLD RESOURCES CO., WRC PROCESSING CO. WALNUT LN. R. 5 BOX 5553 PALO ALTO, PA 17901	Metals Recovery

**Summary of Waste Management Activites**

Please note that chemical amounts shown here are not included in Total Aggregate Releases shown above.

**Summary of Waste Management Activites excluding Dioxin and Dioxin-like Compounds (Measured in Pounds)**

Year	On-Site Recycling	Off-Site Recycling	On-Site Energy Recovery	Off-Site Energy Recovery	On-Site Treatment	Off-Site Treatment	Total Amount
1996	0	1600	0	0	0	100	1700
1997	0	2000	0	0	0	100	2100
1998 (Projected)	0	2100	0	0	0	100	2200
1999 (Projected)	0	2200	0	0	0	100	2300

**Summary of Waste Management Activites for Dioxin and Dioxin-like Compounds (Measured in Grams)**

This facility did not report any waste management activites for Dioxin and Dioxin-like Compounds.

**Chemicals Under Waste Management:**

Please note that chemical amounts shown here are not included in the Total Aggregate Releases shown above. Transfers to Publicly Owned Treatment Works are listed on a seperate table.

Chemical Name	Year	Unit Of Measure	On-Site Recycling	Off-Site Recycling	On-Site Energy Recovery	Off-Site Energy Recovery	On-Site Treated	Off-Site Treated	Total Amount

NICKEL COMPOUNDS	1996	Pounds	0	1600	0	0	0	100	1700
	1997	Pounds	0	2000	0	0	0	100	2100
	1998 (Projected)	Pounds	0	2100	0	0	0	100	2200
	1999 (Projected)	Pounds	0	2200	0	0	0	100	2300

### Transfer of Chemicals to Publicly Owned Treatment Works (POTW):

Please note that transfer amounts are not included in the Total Aggregate Releases shown above. For all releases estimated as a range, the mid-point of the range was used in these calculations.

Chemical Name	Year	Unit Of Measure	Total Transfer Amount
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1990	Pounds	5
NICKEL	1995	Pounds	250
NICKEL	1996	Pounds	250
NICKEL COMPOUNDS	1991	Pounds	75
NICKEL COMPOUNDS	1992	Pounds	250
NICKEL COMPOUNDS	1993	Pounds	250
NICKEL COMPOUNDS	1994	Pounds	250
NICKEL COMPOUNDS	1997	Pounds	88
SODIUM SULFATE (SOLUTION)	1987	Pounds	85000
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1990	Pounds	5
ZINC COMPOUNDS	1992	Pounds	250
ZINC COMPOUNDS	1993	Pounds	250

### Publicly Owned Treatment Works (POTW) that Chemicals were Transferred to:


Chemical Name	Year	POTW Name and Address
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1987	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1988	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST PROVIDENCE, RI 02903
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1989	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1990	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1991	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST.

		PROVIDENCE, RI 02908
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1992	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1993	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1994	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
NICKEL	1995	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
NICKEL	1996	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
NICKEL COMPOUNDS	1991	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
NICKEL COMPOUNDS	1992	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
NICKEL COMPOUNDS	1993	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
NICKEL COMPOUNDS	1994	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
NICKEL COMPOUNDS	1997	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
SODIUM HYDROXIDE (SOLUTION)	1987	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
SODIUM HYDROXIDE (SOLUTION)	1988	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
SODIUM SULFATE (SOLUTION)	1987	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1987	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1988	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1989	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1990	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
		NARRAGANSETT BAY COMMISSION

SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1991	459 PROMENADE ST. PROVIDENCE, RI 02908
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1992	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	1993	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
ZINC COMPOUNDS	1992	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908
ZINC COMPOUNDS	1993	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02908

### Non Production Releases:

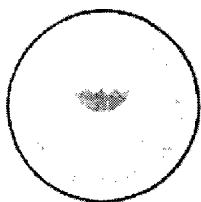
*This facility did not report any Non-Production releases.*

The Environmental Defense Fund's (EDF) Chemical Scorecard has on-line environmental information regarding this  facility's reported TRI releases. This information resource is not maintained, managed, or owned by the Environmental Protection Agency (EPA) or the Envirofacts Support Team. Neither the EPA nor the Envirofacts Support Team is responsible for their content or site operation. The Envirofacts Warehouse provides this reference only as a convenience to our Internet users.

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Envirofacts

# MultiSystem Report



**EVANS PLATING  
 50 WATERMAN AVENUE  
 NORTH PROVIDENCE, RI 02911**

Map this facility

EPA Facility Information

*This query was executed on AUG-05-2004*

## Toxic Releases for Reporting Year 1997

TRI FACILITY ID: 02911VNSPL50WAT

### SIC Codes for 1997

SIC CODE	SIC CODE DESCRIPTION
3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

### Chemicals Transferred to other Sites

CHEMICAL NAME	TRI CHEM ID	DOCUMENT	RELEASE AMOUNTS LBS/YR	RELEASE BASIS CODE	TYPE OF WASTE MANAGEMENT	TRANSFER SITE NAME	TRANSFER SITE CITY
NICKEL COMPOUNDS	N495	1397110119930	2000	MONITORING DATA	METALS RECOVERY	WORLD RESOURCES CO., WRC PROCESSING	POTTSVILLE

### Chemicals Released to Air

There was no data of this type reported for this facility.

### Chemicals Released via Underground Injection

There was no data of this type reported for this facility.

#### Chemicals Released to Land

There was no data of this type reported for this facility.

#### Chemicals Released to Surface Water

There was no data of this type reported for this facility.

Additional Information can be obtained from the Toxics Release Inventory System  Query.

The Environmental Defense Fund's (EDF) Chemical Scorecard has on-line environmental information regarding this facility's reported TRI releases. This information resource is not maintained, managed, or owned by the Environmental Protection Agency (EPA) or the Envirofacts Support Team. Neither the EPA nor the Envirofacts Support Team is responsible for their content or site operation. The Envirofacts Warehouse provides this reference only as a convenience to our Internet users.

### Water Discharge Permit Information (PCS)

NPDES: RIU250431

SIC CODE: SIC DESCRIPTION:

The current PCS database does not have permitted discharge data for this facility.

Additional Information can be obtained from Water Discharge Permit Information  Query.

### AIRS / AFS Information

PLANT NAME: EVANS PLATING

AFS PLANT ID: 00703

LATITUDE: 0

DUNS NUMBER:

INVENTORY

YEAR:

CLASS CODE: POTENTIAL UNCONTROLLED  
EMISSIONS < 100 TONS/YR

COMPLIANCE SYSTEM PLANT ID: 00703

NATIONAL EMISSIONS DATA  
SYSTEM PLANT ID:

LONGITUDE: 0

PRINCIPAL PRODUCT:

EMERGENCY CONTROL:

COMPLIANCE STATUS:

IN COMPLIANCE -  
INSPECTION

The current AIRS/AFS database does not have any pollutant data for this facility.

### RCRAInfo

HANDLER ID: RID001191931

**LIST OF NAICS CODES AND DESCRIPTIONS**

NAICS CODE	NAICS DESCRIPTION
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring

**HANDLER / FACILITY CLASSIFICATION**

HANDLER TYPE
Small Generator

**No Process Information is available for the facility listed above.**

Additional Information can be obtained from Resource Conservation and Recovery Information [RCRAInfo](#) Query.

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**Locational Reference Tables (LRT)**

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**Facility Location Information**

Report an Error



**METALS RECYCLING, LLC**  
**89 CELIA STREET**  
**JOHNSTON RI 02919**  
 Latitude: 41.827 Longitude: -71.468



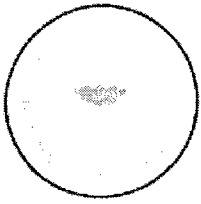
- LEGEND**
- ☆ Facility location
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  - Superfund sites
  - Hazardous waste
  - Toxic releases
  - Air releases
  - BRS
  - Multiple
  - ~ Streets
  - Water Bodies
  - Counties
- \*Color of ☆ denotes type of facility.

The latitude and longitude coordinates above come from the Envirofacts Locational Reference Tables (LRT). The method used to derive the Most Accurate Coordinates was [ADDRESS MATCHING-HOUSE NUMBER](#). These coordinates correspond to [N/A](#) and represent the best location for the facility. The coordinates were obtained from [EPA HEADQUARTERS](#).

Query executed on AUG-05-2004

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## Detailed Reports



Results are based on data extracted on JUL-17-2004

### Facility

<b>FACILITY NAME (1) :</b>	METALS RECYCLING, LLC	<b>NPDES :</b>	RI0023485
<b>FACILITY NAME (2) :</b>			
<b>STREET 1 :</b>	89 CELIA STREET	<b>SIC CODE :</b>	5093 = SCRAP & WASTE MATERIALS
<b>CITY :</b>	JOHNSTON /T/	<b>MAJOR / MINOR :</b>	
<b>COUNTY NAME :</b>	PROVIDENCE	<b>TYPE OF OWNERSHIP :</b>	PRI = PRIVATE
<b>STATE :</b>	RI	<b>INDUSTRY CLASS :</b>	X
<b>ZIP CODE :</b>	02919	<b>ACTIVITY STATUS :</b>	A = Active
<b>REGION :</b>	01	<b>INACTIVE DATE :</b>	
<b>LATITUDE :</b>			
<b>LONGITUDE :</b>		<b>TYPE OF PERMIT ISSUED :</b>	S = STATE
<b>LAT/LON CODE OF ACCURACY :</b>		<b>PERMIT ISSUED DATE :</b>	20-NOV-2003
<b>LAT/LON METHOD :</b>		<b>PERMIT EXPIRED DATE :</b>	31-DEC-2009
<b>LAT/LON SCALE :</b>		<b>ORIGINAL PERMIT ISSUE DATE :</b>	01-JAN-2004
<b>LAT/LON DATUM :</b>			
<b>LAT/LON DESCRIPTION :</b>		<b>STREAM SEGMENT :</b>	
<b>USGS HYDRO BASIN CODE :</b>		<b>MILEAGE IND :</b>	
<b>FLOW :</b>		<b>FEDERAL_GRANT_IND :</b>	
<b>RECEIVING STREAM CLASS CODE :</b>		<b>FINAL LIMITS IND :</b>	
<b>RECEIVING WATERS :</b>	WOONASQUATUCKET RIVER		
<b>PRETREATMENT CODE :</b>		<b>SLUDGE CLASS FAC IND :</b>	
<b>SLUDGE INDICATOR :</b>		<b>ANNUAL DRY SLUDGE PROD :</b>	
<b>SLUDGE RELATED PERMIT NUM :</b>			
<b>MAILING NAME :</b>	METALS RECYCLING, LLC		
<b>MAILING STREET (1) :</b>	89 CELIA STREET	<b>MAILING STREET (2) :</b>	P.O. BOX 19726
<b>MAILING CITY :</b>	JOHNSTON	<b>MAILING STATE :</b>	RI
<b>MAILING ZIP CODE :</b>	02919		

**SLUDGE COMMERCIAL**

**HANDLER :**

**SLUDGE HANDLER**

**STREET (1) :**

**SLUDGE HANDLER CITY :**

**SLUDGE HANDLER ZIP**

**CODE :**

**SLUDGE HANDLER STREET**

**(2) :**

**SLUDGE HANDLER STATE :**

**COGNIZANT OFFICIAL :** BILL HULING, PLANT  
MANAGER

**COGNIZANT OFFICIAL TEL :** 401-831-7799

### Permit Documents

**FACILITY NAME (1) :** METALS RECYCLING, LLC NPDES : RI0023485

**FACILITY NAME (2) :**

No Permit Documents Found.

### Permit Tracking

**FACILITY NAME (1) :** METALS RECYCLING, LLC NPDES :

RI0023485

**FACILITY NAME (2) :**

**PERMIT ISSUED BY :**

S = STATE

**PERMIT ISSUED DATE :** 20-NOV-2003

**ORIGINAL DATE OF ISSUE :** 01-JAN-2004

**PERMIT EXPIRED DATE :** 31-DEC-2009

**Permit Tracking Events:**

EVENT CODE	EVENT DESCRIPTION	ACTUAL DATE
P5099	PERMIT EXPIRED	31-DEC-2009
P4099	PERMIT ISSUED	20-NOV-2003
P3099	DRAFT PERMIT/PUBLIC NOTICE	17-SEP-2003
P1099	APPLICATION RECEIVED	28-MAY-2003

### Inspections

**FACILITY NAME (1) :** METALS RECYCLING, LLC NPDES : RI0023485

**FACILITY NAME (2) :**

No Inspections Found.

### Outfalls/Pipe Schedules

<b>FACILITY NAME (1) :</b>	METALS RECYCLING, LLC NPDES :	RI0023485	
<b>FACILITY NAME (2) :</b>			
<b>PIPE NUMBER :</b>	001	<b>OUTFALL TYPE :</b>	
<b>REPORT DESIGNATOR :</b>	A	<b>ACTIVITY STATUS:</b>	A = ACTIVE
<b>PIPE SET QUALIFIER :</b>	9	<b>LATITUDE:</b>	
<b>INACTIVE DATE :</b>		<b>LONGITUDE :</b>	
<b>INIT LIMITS START DATE :</b>		<b>LAT/LON ACCURACY :</b>	
<b>INIT LIMITS END DATE :</b>		<b>LAT/LON METHOD :</b>	
<b>INTERIM LIMITS START DATE :</b>		<b>LAT/LON SCALE :</b>	
<b>INTERIM LIMITS END DATE :</b>		<b>LAT/LON DATUM :</b>	
<b>FINAL LIMITS START DATE :</b>	01-JAN-2004	<b>LAT/LON DESCRIPTION :</b>	
<b>FINAL LIMITS END DATE :</b>	31-DEC-2009	<b>USGS HYDRO BASIN CODE :</b>	
<b>INIT SUBM. DATE(EPA) :</b>		<b>PIPE STREAM SEGMENT :</b>	
<b>SUBMISSION UNITS (EPA) :</b>		<b>RECEIVING STREAM CLASS CD :</b>	
<b>UNITS IN EPA SUBM. PERIOD :</b>	0	<b>MILEAGE INDICATOR :</b>	
<b>INIT SUBM. DATE (STATE) :</b>	15-APR-2004	<b>PIPE DESCRIPTION :</b>	
<b>SUBMISSION UNITS (STATE) :</b>	M = MONTHS		
<b>UNITS IN STATE SUBM. PERIOD :</b>	3		
<b>INIT REPORTING DATE :</b>	01-JAN-2004		
<b>REPORTING UNITS :</b>	M = MONTHS		
<b>UNITS IN REPORTING PERIOD :</b>	3		

## Measurements and Violations

**FACILITY NAME (1):** METALS RECYCLING, LLC NPDES : RI0023485  
**FACILITY NAME (2):**

No PCS Measurements and Violations Information Found.

## Enforcement Actions

**FACILITY NAME (1):** METALS RECYCLING, LLC NPDES : RI0023485  
**FACILITY NAME (2):**

No PCS Enforcement Actions Found.

## Evidentiary Hearings

**FACILITY NAME (1) :** METALS RECYCLING, LLC NPDES : RI0023485  
**FACILITY NAME (2) :**

No PCS Evidentiary Hearing Information Found.

## Pretreatment Inspections/Audits

FACILITY NAME (1) : METALS RECYCLING, LLC NPDES : RI0023485

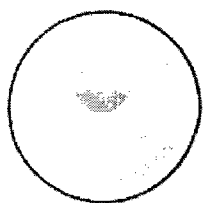
FACILITY NAME (2) :

No PCS Pretreatment Inspections Found.

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 Facility Reporting System (FRS)

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## Facility Detail Report



Facility Name:	METALS RECYCLING, LLC
Location Address:	89 CELIA STREET
Supplemental Address:	
City Name:	JOHNSTON
State:	RI
County Name:	PROVIDENCE
ZIP/Postal Code:	02919
EPA Region:	01
Congressional District Number:	02
Legislative District Number:	
HUC Code:	01090004
Federal Facility:	NO
Tribal Land:	
Latitude:	41.827
Longitude:	-71.468
Method:	
Reference Point Description:	
Duns Number:	
Registry ID:	110002370470

[Report Facility Discrepancy](#)

[Map this facility](#)

### Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
AIRS/AFS	RI0997375	AIR MAJOR	AIRS/AFS	01/16/2002	
ICIS	29473	FORMAL ENFORCEMENT ACTION	ICIS	05/30/2002	ICIS-01-2001-0145 FORMAL ENFORCEMENT

					ACTION
NEI	NEIRI00493	CRITERIA AIR POLLUTANTS INVENTORY	NEI		
NEI	NEIRI00493	HAZARDOUS AIR POLLUTANTS INVENTORY	NEI		
PCS	RI0023485	NPDES NON-MAJOR	NPDES PERMIT	05/28/2003	
PCS	RIR100508	NPDES NON-MAJOR	PCS		
RCRAINFO	RID062312095	SQG	NOTIFICATION (RCRA)	12/10/1986	
RCRAINFO	RID062312095	TSD	NOTIFICATION	12/10/1986	

### Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
FACILITY MAILING ADDRESS	89 CELIA STREET	JOHNSTON	RI	02919	AIRS/AFS
FACILITY MAILING ADDRESS	BOX 7226	JOHNSTON	RI	02919	RCRAINFO
OPERATOR	89 CELIA STREET	JOHNSTON	RI	029195334	PCS
OWNER	89 CELIA STREET	JOHNSTON	RI	02919	PCS
OWNER	OWNER STREET	OWNERCITY	RI	99999	RCRAINFO
OWNER	P.O. BOX 19726	JOHNSTON	RI	029190726	PCS
PRIMARY MAILING ADDRESS	89 CELIA STREET	JOHNSTON	RI	02919	PCS
PRIMARY MAILING ADDRESS	P.O. BOX 19726	JOHNSTON	RI	029190726	PCS
REGULATORY CONTACT	BOX 7226	JOHNSTON	RI	02919	RCRAINFO

### NAICS Codes

Data Source	NAICS Code	Description	Primary	Report Discrepancy
NEI	331			Report

### SIC Codes

Data Source	SIC Code	Description	Primary	Report Discrepancy
NEI	3341	SECONDARY SMELTING AND REFINING OF NONFERROUS METALS		Report
PCS	5093	SCRAP AND WASTE MATERIALS		Report
AIRS/AFS	9999	NONCLASSIFIABLE ESTABLISHMENTS		Report

### Contacts

--	--	--	--	--



Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	Report Discrepancy
COGNIZANT OFFICIAL	BILL HULING, PLANT MANAGER	4018317799	PCS		Report
COGNIZANT OFFICIAL	BILL HULING, PLANT MANAGER	4018317799	PCS		Report
REGULATORY CONTACT	IZZO PASCO	4018317799	RCRAINFO	View	Report

## Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address	Report Discrepancy
OPERATOR	METALS RECYCLING		PCS	View	Report
OWNER	PASCO IZZO		RCRAINFO	View	Report
OWNER	METALS RECYCLING, LLC		PCS	View	Report
OWNER	METALS RECYCLING		PCS	View	Report

## Alternative Names

Alternative Name
METALS RECYCLING

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# Locational Reference Tables (LRT)

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## Facility Location Information



**G TANURY PLATING COMPANY**  
**100 RAILROAD AVENUE**  
**JOHNSTON RI 029190000**  
 Latitude: 41.85 Longitude: -71.466667



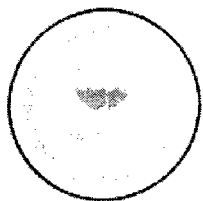
- LEGEND**
- ☆ Facility location
  - Discharges to water
  - Superfund sites
  - Hazardous waste
  - Toxic releases
  - Air releases
  - BRS
  - Multiple
  - ~ Streets
  - Water Bodies
  - Counties
- \*Color of ☆ denotes type of facility.

The latitude and longitude coordinates above come from the Envirofacts Locational Reference Tables (LRT). The method used to derive the Most Accurate Coordinates was INTERPOLATION-MAP. These coordinates correspond to FACILITY CENTROID and represent the best location for the facility.

Query executed on AUG-05-2004

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## Detailed Reports



Results are based on data extracted on JUL-17-2004

### Facility

<b>FACILITY NAME (1) :</b>	G. TANURY PLATING CO.	<b>NPDES :</b>	RIR230077
<b>FACILITY NAME (2) :</b>			
<b>STREET 1 :</b>	100 RAILROAD AVENUE	<b>SIC CODE :</b>	3471 = PLATING AND POLISHING
<b>CITY :</b>	EAST PROVIDENCE /T/	<b>MAJOR / MINOR :</b>	
<b>COUNTY NAME :</b>	PROVIDENCE	<b>TYPE OF OWNERSHIP :</b>	PRI = PRIVATE
<b>STATE :</b>	RI	<b>INDUSTRY CLASS :</b>	R
<b>ZIP CODE :</b>	02919	<b>ACTIVITY STATUS :</b>	A = Active
<b>REGION :</b>	01	<b>INACTIVE DATE :</b>	
<b>LATITUDE :</b>	+4151000		
<b>LONGITUDE :</b>	-07128000	<b>TYPE OF PERMIT ISSUED :</b>	S = STATE
<b>LAT/LON CODE OF ACCURACY :</b>	2 = NEAREST SECOND	<b>PERMIT ISSUED DATE :</b>	
<b>LAT/LON METHOD :</b>	A = MAP INTERPOLATION	<b>PERMIT EXPIRED DATE :</b>	
<b>LAT/LON SCALE :</b>	3 = 24,000	<b>ORIGINAL PERMIT ISSUE DATE :</b>	08-JUN-1993
<b>LAT/LON DATUM :</b>	1 = NAD27		
<b>LAT/LON DESCRIPTION :</b>	01099		
<b>USGS HYDRO BASIN CODE :</b>		<b>STREAM SEGMENT :</b>	
<b>FLOW :</b>		<b>MILEAGE IND :</b>	
<b>RECEIVING STREAM CLASS CODE :</b>		<b>FEDERAL_GRANT_IND :</b>	
<b>RECEIVING WATERS :</b>	WOONASQUATUCKET RIVER	<b>FINAL LIMITS IND :</b>	
<b>PRETREATMENT CODE :</b>		<b>SLUDGE CLASS FAC IND :</b>	
<b>SLUDGE INDICATOR :</b>		<b>ANNUAL DRY SLUDGE PROD :</b>	
<b>SLUDGE RELATED PERMIT NUM :</b>			
<b>MAILING NAME :</b>	G. TANURY PLATING COMPANY		
<b>MAILING STREET (1) :</b>	100 RAILROAD AVENUE	<b>MAILING STREET (2) :</b>	
<b>MAILING CITY :</b>	JOHNSTON	<b>MAILING STATE :</b>	RI

MAILING ZIP CODE : 02919  
 SLUDGE COMMERCIAL HANDLER :  
 SLUDGE HANDLER STREET (1) : SLUDGE HANDLER STREET (2) :  
 SLUDGE HANDLER CITY : SLUDGE HANDLER STATE :  
 SLUDGE HANDLER ZIP CODE :  
 COGNIZANT OFFICIAL : MR. GEORGE T. TANURY COGNIZANT OFFICIAL TEL : 401-232-2330

## Permit Documents

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077  
 FACILITY NAME (2) :

No Permit Documents Found.

## Permit Tracking

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077  
 FACILITY NAME (2) : PERMIT ISSUED BY : S = STATE  
 PERMIT ISSUED DATE : ORIGINAL DATE OF ISSUE : 08-JUN-1993  
 PERMIT EXPIRED DATE :

No PCS Permit Tracking Events Found.

## Inspections

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077  
 FACILITY NAME (2) :

No Inspections Found.

## Outfalls/Pipe Schedules

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077  
 FACILITY NAME (2) :

No PCS Pipe Schedule Information Found.

## Measurements and Violations

FACILITY NAME (1): G. TANURY PLATING CO. NPDES : RIR230077

FACILITY NAME (2):

No PCS Measurements and Violations Information Found.

## Enforcement Actions

FACILITY NAME (1): G. TANURY PLATING CO. NPDES : RIR230077

FACILITY NAME (2):

No PCS Enforcement Actions Found.

## Evidentiary Hearings

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077

FACILITY NAME (2) :

No PCS Evidentiary Hearing Information Found.

## Pretreatment Inspections/Audits

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077

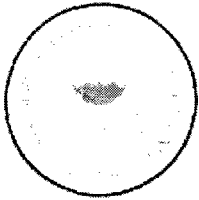
FACILITY NAME (2) :

No PCS Pretreatment Inspections Found.

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 Environmental Information System (EIS)

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# Facility Detail Report



Facility Name:	G TANURY PLATING COMPANY
Location Address:	100 RAILROAD AVENUE
Supplemental Address:	
City Name:	JOHNSTON
State:	RI
County Name:	PROVIDENCE
ZIP/Postal Code:	029190000
EPA Region:	01
Congressional District Number:	01
Legislative District Number:	
HUC Code:	01090004
Federal Facility:	NO
Tribal Land:	
Latitude:	41.85
Longitude:	-71.466667
Method:	INTERPOLATION-MAP
Reference Point Description:	FACILITY CENTROID
Duns Number:	
Registry ID:	110000819954

[Report Facility Discrepancy](#)

[Map this facility](#)

## Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
AIRS/AFS	RI0926638	AIR MINOR	AIRS/AFS	04/25/2002	
AIRS/AFS	RI0973204	AIR SYNTHETIC MINOR	AIRS/AFS	04/02/1999	
					ICIS-01-2001-0086

ICIS	938	FORMAL ENFORCEMENT ACTION	ICIS	03/12/2002	FORMAL ENFORCEMENT ACTION
PCS	RIR230077	NPDES NON-MAJOR	NPDES PERMIT		
RCRAINFO	RID063927966	HAZARDOUS WASTE BIENNIAL REPORTER	RCRAINFO	02/27/2002	
RCRAINFO	RID063927966	LQG	NOTIFICATION (RCRA)	10/04/1980	
TRIS	02919GTNRY100RA	TRI REPORTER	TRI REPORTING FORM	05/08/1995	

### Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
FACILITY MAILING ADDRESS	100 RAILROAD AVE	JOHNSTON	RI	02919	AIRS/AFS
FACILITY MAILING ADDRESS	100 RAILROAD AVE.	JOHNSTON	RI	02919	TRIS
FACILITY MAILING ADDRESS	100 RAILROAD AVENUE	JOHNSTON	RI	02919	RCRAINFO
FACILITY MAILING ADDRESS	100 RAILROAD AVENUE	JOHNSTON	RI		AIRS/AFS
OPERATOR	100 RAILROAD AVENUE	JOHNSTON	RI	02919	PCS
OWNER	124 DODGE STREET	EAST PROVIDENCE	RI	02914	PCS
PRIMARY MAILING ADDRESS	100 RAILROAD AVENUE	JOHNSTON	RI	02919	PCS
REGULATORY CONTACT	100 RAILROAD AVENUE	JOHNSTON	RI	02919	RCRAINFO

### NAICS Codes

Data Source	NAICS Code	Description	Primary	Report Discrepancy
RCRAINFO	332813	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING.		Report

### SIC Codes

Data Source	SIC Code	Description	Primary	Report Discrepancy
AIRS/AFS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING		Report
ICIS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING		Report



PCS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING		Report
TRIS	3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING		Report
AIRS/AFS	9999	NONCLASSIFIABLE ESTABLISHMENTS		Report

## Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	Report Discrepancy
COGNIZANT OFFICIAL	MR. GEORGE T. TANURY	4012322330	PCS		Report
PUBLIC CONTACT	GEORGE T. TANURY	4012322330	TRIS		Report
REGULATORY CONTACT	MIKE FACENTE	401232233026	RCRAINFO	View	Report

## Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address	Report Discrepancy
OPERATOR	G. TANURY PLATING COMPANY		PCS	View	Report
OPERATOR	GEORGE T. TANURY		RCRAINFO		Report
OWNER	G. TANURY PLATING COMPANY		PCS	View	Report
OWNER	100 RAILROAD AVENUE ASSOCIATES		RCRAINFO		Report

## Alternative Names

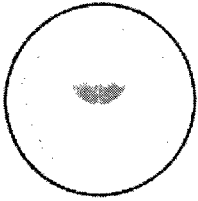
Alternative Name
TANURY G PLATING CO

Query executed on: AUG-05-2004

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Envirofacts Report



Query executed on AUG-05-2004
Results are based on data extracted on JUN-23-2004

Click on "View Facility Information" to view EPA Facility information for the facility.

Facility Name: G. TANURY PLATING CO. Mailing Name: G. TANURY PLATING CO.
Address: 100 RAILROAD AVE. JOHNSTON RI 02919 Mailing Address: 100 RAILROAD AVE. JOHNSTON RI 02919
County: PROVIDENCE Region: 1
Facility Information: View Facility Information TRI ID: 02919GTNRY100RA DUNS Number: 063927966
FRS ID 110000819954
TRI Preferred Latitude: 41.85 TRI Preferred Longitude: 71.466667
Public Contact: GEORGE T. TANURY Phone: 4012322330
Parent Company: G. TANURY PLATING CO. Parent DUNS: 063927966

SIC Codes for 1993

Table with 2 columns: SIC CODE, SIC DESCRIPTION. Row 1: 3471, ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

The above information comes from 1993, which is the latest reporting year on file for this facility. The earliest reporting year on file for this facility is 1988.

Map this facility

Map this facility using one of Envirofact's mapping utilities.

Besides TRI, this facility also does the following:

- has reported air releases under the Clean Air Act
has permits to discharge to water

More information about these additional regulatory aspects of this facility can be found by pressing the other regulatory

data button below.

Other Regulatory Data

### Total Aggregate Releases of TRI Chemicals to the Environment:

For all releases estimated as a range, the mid-point of the range was used in these calculations. This table summarizes the releases reported by the facility. **NR** - signifies nothing reported by this facility for the corresponding medium.

#### Total Aggregate Releases of TRI Chemicals excluding Dioxin and Dioxin-like Compounds (Measured in Pounds)

Media	1993	1992	1991	1990	1989	1988
Air Emissions	12000	15000	NR	11816	7200	17160
Surface Water Discharges	NR	NR	NR	NR	NR	NR
Releases to Land	NR	NR	NR	NR	NR	NR
Underground Injection	NR	NR	NR	NR	NR	NR
Total On-Site Releases	12000	15000	NR	11816	7200	17160
Transfer Off-Site to Disposal	NR	NR	NR	NR	NR	NR
Total Releases	12000	15000	NR	11816	7200	17160

Graphic Summary of this Table

#### Total Aggregate Releases of Dioxin and Dioxin-like Compounds (Measured in Grams)

Media	1993	1992	1991	1990	1989	1988
Air Emissions	NR	NR	NR	NR	NR	NR
Surface Water Discharges	NR	NR	NR	NR	NR	NR
Releases to Land	NR	NR	NR	NR	NR	NR
Underground Injection	NR	NR	NR	NR	NR	NR
Total On-Site Releases	NR	NR	NR	NR	NR	NR
Transfer Off-Site to Disposal	NR	NR	NR	NR	NR	NR
Total Releases	NR	NR	NR	NR	NR	NR

Graphic Summary of this Table

### TRI Chemicals Reported on Form A:

Please note that there were no chemicals reported on Form A for this facility

#### NOTE:

All chemicals reported below have release or transfer amounts greater than zero. To see a list of all chemicals reported by this facility [click here](#).

**Names and Amounts of Chemicals Released to the Environment by Year.**

*For all releases estimated as a range, the mid-point of the range was used in these calculations. NR - signifies nothing reported for this facility by the corresponding medium. Rows with all "0" or "NR" values were not listed.*

Chemical Name	Media	Unit Of Measure	1993	1992	1991	1990	1989	1988
1,1,1-TRICHLOROETHANE (TRI Chemical ID: 000071556)	AIR FUG	Pounds	12000	15000	NR	11816	7200	NR
TRICHLOROETHYLENE (TRI Chemical ID: 000079016)	AIR FUG	Pounds	NR	NR	NR	NR	NR	17160

**Discharge of Chemicals into Streams or Bodies of Water:**

*Please note that either there were no releases of chemicals into streams or bodies of water reported by this facility or the facility did not file a TRI form R for the years 1987 to 2000. Rows with Release Amount equal to "0" were not listed.*

**Transfer of Chemicals to Off-Site Locations other than POTWs:**

*Please note that transfer amounts are not included in release totals shown above. For all releases estimated as a range, the mid-point of the range was used in these calculations. Rows with Total Transfer Amount equal to "0" were not listed.*

Chemical Name	Year	Unit Of Measure	Total Transfer Amount	Transfer Site Name and Address	Type Of Waste Management
1,1,1-TRICHLOROETHANE (TRI Chemical ID: 000071556)	1993	Pounds	1200	CLEAN HARBORS OF, BRAINTREE INC. 385 QUINCY AVE. BRAINTREE, MA 02184	Solvents/Organics Recovery
1,1,1-TRICHLOROETHANE (TRI Chemical ID: 000071556)	1992	Pounds	2000	CLEAN HARBORS OF BRAINTREE, INC. 385 QUINCY AVE. BRAINTREE, MA 02184	Solvents/Organics Recovery

**Summary of Waste Management Activites**

*Please note that chemical amounts shown here are not included in Total Aggregate Releases shown above.*

**Summary of Waste Management Activites excluding Dioxin and Dioxin-like Compounds  
(Measured in Pounds)**

Year	On-Site Recycling	Off-Site Recycling	On-Site Energy Recovery	Off-Site Energy Recovery	On-Site Treatment	Off-Site Treatment	Total Amount
1992	0	0	0	0	0	2000	2000

1993	0	0	0	0	0	1200	1200
1994 (Projected)	0	0	0	0	0	1200	1200
1995 (Projected)	0	0	0	0	0	1200	1200

**Summary of Waste Management Activities for Dioxin and Dioxin-like Compounds  
(Measured in Grams)**

*This facility did not report any waste management activities for Dioxin and Dioxin-like Compounds.*

**Chemicals Under Waste Management:**

*Please note that chemical amounts shown here are not included in the Total Aggregate Releases shown above. Transfers to Publicly Owned Treatment Works are listed on a separate table.*

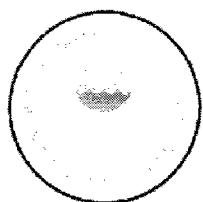
Chemical Name	Year	Unit Of Measure	On-Site Recycling	Off-Site Recycling	On-Site Energy Recovery	Off-Site Energy Recovery	On-Site Treated	Off-Site Treated	Total Amount
1,1,1-TRICHLOROETHANE	1992	Pounds	0	0	0	0	0	2000	2000
	1993	Pounds	0	0	0	0	0	1200	1200
	1994 (Projected)	Pounds	0	0	0	0	0	1200	1200
	1995 (Projected)	Pounds	0	0	0	0	0	1200	1200

**Transfer of Chemicals to Publicly Owned Treatment Works (POTW):**

*This facility did not transfer any chemicals to a Publicly Owned Treatment Works (POTW).*

**Non Production Releases:**

*This facility did not report any Non-Production releases.*



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 Office of Research and Development (ORD)

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## Detailed Reports



Results are based on data extracted on JUL-17-2004

### Facility

<b>FACILITY NAME (1) :</b>	G. TANURY PLATING CO.	<b>NPDES :</b>	RIR230077
<b>FACILITY NAME (2) :</b>			
<b>STREET 1 :</b>	100 RAILROAD AVENUE	<b>SIC CODE :</b>	3471 = PLATING AND POLISHING
<b>CITY :</b>	EAST PROVIDENCE /T/	<b>MAJOR / MINOR :</b>	
<b>COUNTY NAME :</b>	PROVIDENCE	<b>TYPE OF OWNERSHIP :</b>	PRI = PRIVATE
<b>STATE :</b>	RI	<b>INDUSTRY CLASS :</b>	R
<b>ZIP CODE :</b>	02919	<b>ACTIVITY STATUS :</b>	A = Active
<b>REGION :</b>	01	<b>INACTIVE DATE :</b>	
<b>LATITUDE :</b>	+4151000	<b>TYPE OF PERMIT ISSUED :</b>	S = STATE
<b>LONGITUDE :</b>	-07128000	<b>PERMIT ISSUED DATE :</b>	
<b>LAT/LON CODE OF ACCURACY :</b>	2 = NEAREST SECOND	<b>PERMIT EXPIRED DATE :</b>	
<b>LAT/LON METHOD :</b>	A = MAP INTERPOLATION	<b>ORIGINAL PERMIT ISSUE DATE :</b>	08-JUN-1993
<b>LAT/LON SCALE :</b>	3 = 24,000		
<b>LAT/LON DATUM :</b>	1 = NAD27	<b>STREAM SEGMENT :</b>	
<b>LAT/LON DESCRIPTION :</b>	01099	<b>MILEAGE IND :</b>	
<b>USGS HYDRO BASIN CODE :</b>		<b>FEDERAL_GRANT_IND :</b>	
<b>FLOW :</b>		<b>FINAL LIMITS IND :</b>	
<b>RECEIVING STREAM CLASS CODE :</b>		<b>SLUDGE CLASS FAC IND :</b>	
<b>RECEIVING WATERS :</b>	WOONASQUATUCKET RIVER	<b>ANNUAL DRY SLUDGE PROD :</b>	
<b>PRETREATMENT CODE :</b>			
<b>SLUDGE INDICATOR :</b>			
<b>SLUDGE RELATED PERMIT NUM :</b>			
<b>MAILING NAME :</b>	G. TANURY PLATING COMPANY	<b>MAILING STREET (2) :</b>	
<b>MAILING STREET (1) :</b>	100 RAILROAD AVENUE	<b>MAILING STATE :</b>	RI
<b>MAILING CITY :</b>	JOHNSTON		

MAILING ZIP CODE : 02919  
 SLUDGE COMMERCIAL HANDLER :  
 SLUDGE HANDLER STREET (1) : SLUDGE HANDLER STREET (2) :  
 SLUDGE HANDLER CITY : SLUDGE HANDLER STATE :  
 SLUDGE HANDLER ZIP CODE :  
 COGNIZANT OFFICIAL : MR. GEORGE T. TANURY COGNIZANT OFFICIAL TEL : 401-232-2330

### Permit Documents

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077  
 FACILITY NAME (2) :

No Permit Documents Found.

### Permit Tracking

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077  
 FACILITY NAME (2) : PERMIT ISSUED BY : S = STATE  
 PERMIT ISSUED DATE : ORIGINAL DATE OF ISSUE : 08-JUN-1993  
 PERMIT EXPIRED DATE :

No PCS Permit Tracking Events Found.

### Inspections

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077  
 FACILITY NAME (2) :

No Inspections Found.

### Outfalls/Pipe Schedules

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077  
 FACILITY NAME (2) :

No PCS Pipe Schedule Information Found.



## Measurements and Violations

FACILITY NAME (1): G. TANURY PLATING CO. NPDES : RIR230077

FACILITY NAME (2):

No PCS Measurements and Violations Information Found.

## Enforcement Actions

FACILITY NAME (1): G. TANURY PLATING CO. NPDES : RIR230077

FACILITY NAME (2):

No PCS Enforcement Actions Found.

## Evidentiary Hearings

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077

FACILITY NAME (2) :

No PCS Evidentiary Hearing Information Found.

## Pretreatment Inspections/Audits

FACILITY NAME (1) : G. TANURY PLATING CO. NPDES : RIR230077

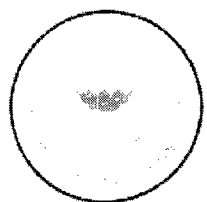
FACILITY NAME (2) :

No PCS Pretreatment Inspections Found.

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# MultiSystem Report

Envirofacts

**G TANURY PLATING COMPANY  
 100 RAILROAD AVENUE  
 JOHNSTON, RI 029190000**

Map this facility

EPA Facility Information

*This query was executed on AUG-05-2004*

## Toxic Releases for Reporting Year 1993

TRI FACILITY ID: 02919GTNRY100RA

### SIC Codes for 1993

SIC CODE	SIC CODE DESCRIPTION
3471	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

### Chemicals Transferred to other Sites

CHEMICAL NAME	TRI CHEM ID	DOCUMENT	RELEASE AMOUNTS LBS/YR	RELEASE BASIS CODE	TYPE OF WASTE MANAGEMENT	TRANSFER SITE NAME	TRANSFER SITE CITY
1,1,1-TRICHLOROETHANE	000071556	1393075016194	1200	MONITORING DATA	REUSE AS FUEL/FUEL BLENDING	CLEAN HARBORS OF, BRAINTREE INC.	BRAINTREE

### Chemicals Released to Air

CHEMICAL NAME	TRI CHEM ID	DOCUMENT	RELEASE AMOUNTS LBS/YR	RELEASE BASIS CODE	FUGITIVE OR STACK INDICATOR
1,1,1-TRICHLOROETHANE	000071556	1393075016194	12000	MONITORING DATA	FUGITIVE OR NON-POINT EMISSIONS

**Chemicals Released via Underground Injection**

There was no data of this type reported for this facility.

**Chemicals Released to Land**

There was no data of this type reported for this facility.

**Chemicals Released to Surface Water**

There was no data of this type reported for this facility.

Additional Information can be obtained from the Toxics Release Inventory System  Query.

**Water Discharge Permit Information (PCS)**

NPDES: RIR230077

SIC CODE: 3471 SIC DESCRIPTION: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

The current PCS database does not have permitted discharge data for this facility.

Additional Information can be obtained from Water Discharge Permit Information  Query.

**AIRS / AFS Information**

PLANT NAME: G. TANURY PLATING CO.

COMPLIANCE SYSTEM PLANT ID: 00093

AFS PLANT ID: 00093

NATIONAL EMISSIONS DATA  
SYSTEM PLANT ID:

LATITUDE: 0

LONGITUDE: 0

DUNS NUMBER:

PRINCIPAL PRODUCT:

INVENTORY  
YEAR:

EMERGENCY CONTROL:

CLASS CODE: POTENTIAL UNCONTROLLED  
EMISSIONS < 100 TONS/YR

COMPLIANCE STATUS:

IN COMPLIANCE -  
INSPECTION

The current AIRS/AFS database does not have any pollutant data for this facility.

**AIRS / AFS Information**

PLANT NAME: G.TANURY PLATING COMPANY

COMPLIANCE SYSTEM PLANT  
ID: 00200

AFS PLANT ID:

NATIONAL EMISSIONS DATA  
SYSTEM PLANT ID:

LATITUDE: 0

LONGITUDE: 0

DUNS  
NUMBER:  
INVENTORY  
YEAR:

PRINCIPAL PRODUCT:

EMERGENCY CONTROL:

CLASS CODE: ACTUAL EMISSIONS < 100 TONS/YR BUT  
POTENTIAL UNCONTRLD EMIS > 100 TONS/YR

COMPLIANCE STATUS:

IN COMPLIANCE -  
INSPECTION

The current AIRS/AFS database does not have any pollutant data for this facility.

## RCRAInfo

HANDLER ID: RID063927966

### LIST OF NAICS CODES AND DESCRIPTIONS

NAICS CODE	NAICS DESCRIPTION
332813	Electroplating, Plating, Polishing, Anodizing, and Coloring

### HANDLER / FACILITY CLASSIFICATION

HANDLER TYPE
Large Generator

**No Process Information is available for the facility listed above.**

Additional Information can be obtained from Resource Conservation and Recovery Information [RCRAInfo](#) Query.

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**U.S. Environmental Protection Agency**

**Locational Reference Tables (LRT)**



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**Facility Location Information**



Locational Information

**WORCESTER COMPANY**  
**1 GREYSTONE AVENUE**  
**NORTH PROVIDENCE RI 02911**  
 Latitude: 41.863889 Longitude: -71.491667



- LEGEND**
- ☆ Facility location
  - Discharges to water
  - Superfund sites
  - Hazardous waste
  - Toxic releases
  - Air releases
  - BRS
  - Multiple
  - ~ Streets
  - Water Bodies
  - Counties
- \*Color of ☆ denotes type of facility.

The latitude and longitude coordinates above come from the Envirofacts Locational Reference Tables (LRT). The method used to derive the Most Accurate Coordinates was [INTERPOLATION-MAP](#). These coordinates correspond to [FACILITY CENTROID](#) and represent the best location for the facility.

Query executed on AUG-03-2004

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Last updated on Tuesday, August 3rd, 2004  
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# U.S. Environmental Protection Agency Facility Registry System (FRS)

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## Facility Detail Report



FRS

Facility Name:	WORCESTER COMPANY
Location Address:	1 GREYSTONE AVENUE
Supplemental Address:	
City Name:	NORTH PROVIDENCE
State:	RI
County Name:	PROVIDENCE
ZIP/Postal Code:	02911
EPA Region:	01
Congressional District Number:	02
Legislative District Number:	
HUC Code:	01090004
Federal Facility:	NO
Tribal Land :	
Latitude:	41.863889
Longitude:	-71.491667
Method:	INTERPOLATION-MAP
Reference Point Description:	FACILITY CENTROID
Duns Number:	
Registry ID:	110000772085

[Report Facility Discrepancy](#)

[Map this facility](#)

### Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interests:
AIRS/AFS	RI0037494	AIR MAJOR	AIRS/AFS	09/29/1999	
NCDB	C01#01-96-0005	COMPLIANCE ACTIVITY	NCDB		
		COMPLIANCE			

NCDB	I01#199512149823 1	ACTIVITY	NCDB		
NCDB	I01#1999052014981 1	COMPLIANCE ACTIVITY	NCDB		
PCS	RI0020401	NPDES NON-MAJOR	NPDES PERMIT	09/22/1993	
PCS	RIR130007	NPDES NON-MAJOR	NPDES PERMIT		
RBLC	2063	AIR MAJOR	RBLC		
RCRAINFO	RID075682542	NOT IN A UNIVERSE	NOTIFICATION	07/29/2002	
TRIS	02911WRCSTGREYS	TRI REPORTER	TRI REPORTING FORM	06/01/1998	

### Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
ALTERNATE MAILING ADDRESS	1 GREYSTONE AVENUE	NORTH PROVIDENCE	RI	02911	PCS
FACILITY MAILING ADDRESS	1 GREYSTONE AVE.	NORTH PROVIDENCE	RI	02911	TRIS
FACILITY MAILING ADDRESS	2 GREYSTONE AVE	GREYSTONE	RI	02911	RCRAINFO
FACILITY MAILING ADDRESS	GREYSTONE AVENUE	NORTH PROVIDENCE	RI	02911	AIRS/AFS
OPERATOR	1 GREYSTONE AVENUE	NORTH PROVIDENCE	RI	02911	PCS
OPERATOR	ONE GREYSTONE AVENUE	CENTERDALE	RI	02911	PCS
OWNER	1560 SHERMAN AVENUE	EVANSTON	IL	60201	PCS
OWNER	ONE GREYSTONE AVENUE	CENTERDALE	RI	02911	PCS
OWNER	OWNER STREET	OWNERCITY	RI	99999	RCRAINFO
PRIMARY MAILING ADDRESS	1560 SHERMAN AVENUE	EVANSTON	IL	60201	PCS
PRIMARY MAILING ADDRESS	ONE GREYSTONE AVENUE	CENTERDALE	RI	02911	PCS
REGULATORY CONTACT	2 GREYSTONE AVE	GREYSTONE	RI	02911	RCRAINFO

### NAICS Codes

Data Source	NAICS Code	Description	Primary	Report Discrepancy
RCRAINFO	31321			Report

### SIC Codes



Data Source	SIC Code	Description	Primary	Report Discrepancy
PCS	2231	BROADWOVEN FABRIC MILLS. WOOL (INCLUDING DYEING AND FINISHING)		<a href="#">Report</a>
TRIS	2231	BROADWOVEN FABRIC MILLS. WOOL (INCLUDING DYEING AND FINISHING)		<a href="#">Report</a>
PCS	2258	LACE AND WARP KNIT FABRIC MILLS		<a href="#">Report</a>
AIRS/AFS	2262	FINISHERS OF BROADWOVEN FABRICS OF MANMADE FIBER AND SILK		<a href="#">Report</a>

## Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address	Report Discrepancy
COGNIZANT OFFICIAL	WILLIAM MASSER, PRESIDENT, CEO	4012314500	PCS		<a href="#">Report</a>
COGNIZANT OFFICIAL	MS. PEGGY HAMPTON	8477331230	PCS		<a href="#">Report</a>
PUBLIC CONTACT	THOMAS D'AMATO	4012314500	TRIS		<a href="#">Report</a>
PUBLIC CONTACT			RBLC		<a href="#">Report</a>
REGULATORY CONTACT	THOMAS D AMATO	4012314500	RCRAINFO	<a href="#">View</a>	<a href="#">Report</a>

## Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address	Report Discrepancy
OPERATOR	WORCESTER TEXTILE COMPANY		PCS	<a href="#">View</a>	<a href="#">Report</a>
OPERATOR	THE WORCESTER CO., INC.		PCS	<a href="#">View</a>	<a href="#">Report</a>
OWNER	TYLER FINANCE/THE WORCESTER CO		PCS	<a href="#">View</a>	<a href="#">Report</a>
OWNER	OWNERNAME		RCRAINFO	<a href="#">View</a>	<a href="#">Report</a>
OWNER	WORCESTER TEXTILE COMPANY		PCS	<a href="#">View</a>	<a href="#">Report</a>

## Alternative Names

Alternative Name
THE WORCESTER CO.
TYLER FINANCE/THE WORCESTER CO
WORCESTER TEXTILE CO
WORCESTER TEXTILES CO





# U.S. Environmental Protection Agency

## Air Releases (AIRS/AFS)

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### Query Results



**EF AFS ID:** Equal To: RI0037494

Results are based on data extracted on JUN-11-2004

**Note:** Click on the underlined CORPORATE LINK value for links to that company's environmental web pages. Click on the underlined MAPPING INFO value to obtain mapping information for the facility.

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<b>Facility Information:</b>	<a href="#">View Facility Information</a>	<b><u>PLANT NAME:</u></b>	WORCESTER COMPANY
<b><u>STREET ADDRESS:</u></b>	1 GREYSTONE AVENUE	<b><u>CITY NAME:</u></b>	NORTH PROVIDENCE
<b><u>COUNTY:</u></b>	PROVIDENCE	<b><u>STATE:</u></b>	RI
<b><u>ZIP CODE:</u></b>	02911	<b><u>COMPLIANCE STATUS:</u></b>	IN COMPLIANCE - INSPECTION
<b><u>LATITUDE:</u></b>	415147	<b><u>AFS PLANT ID:</u></b>	00046
<b><u>LONGITUDE:</u></b>	712912	<b><u>CDS PLANT ID:</u></b>	00046
<b><u>INVENTORY YEAR:</u></b>	92	<b><u>NEDS PLANT ID:</u></b>	0046
<b><u>PRINCIPAL PRODUCT:</u></b>		<b><u>EMERGENCY CONTROL:</u></b>	
<b><u>CORPORATE LINK:</u></b>	No	<b><u>MAPPING INFO:</u></b>	<a href="#">MAP</a>
<b><u>CLASS CODE:</u></b>	ACTUAL OR POTENTIAL EMISS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLD.		

No pollutant codes are available for the above listed facility.

### AIRS/AFS Plant Stack Data

<b><u>STACK NUMBER:</u></b>	1	<b><u>STACK DESC:</u></b>	BOILER 1 AND 2
<b><u>STACK HEIGHT:</u></b>	0072	<b><u>STACK DIAMETER:</u></b>	03.00
<b><u>PLUME HEIGHT:</u></b>		<b><u>STACK EXIT GAS TEMPERATURE:</u></b>	325
<b><u>STACK GAS FLOW RATE:</u></b>	0	<b><u>STACK EXIT GAS VELOCITY:</u></b>	0

### List of Pollutant Information

**Note:** There is no Pollutant Information available for this Stack.

---

**STACK NUMBER:** 2 **STACK DESC:** ENGINE 11  
**STACK HEIGHT:** 0070 **STACK DIAMETER:** 01.50  
**PLUME HEIGHT:** **STACK EXIT GAS TEMPERATURE:** 432  
**STACK GAS FLOW RATE:** 4102 **STACK EXIT GAS VELOCITY:** 0

### List of Pollutant Information

**Note:** There is no Pollutant Information available for this Stack.

---

**STACK NUMBER:** 3 **STACK DESC:** ENGINE 12  
**STACK HEIGHT:** 0070 **STACK DIAMETER:** 01.50  
**PLUME HEIGHT:** **STACK EXIT GAS TEMPERATURE:** 428  
**STACK GAS FLOW RATE:** 4713 **STACK EXIT GAS VELOCITY:** 0

### List of Pollutant Information

**Note:** There is no Pollutant Information available for this Stack.

---

**STACK NUMBER:** 4 **STACK DESC:** ENGINE 13  
**STACK HEIGHT:** 0070 **STACK DIAMETER:** 01.50  
**PLUME HEIGHT:** **STACK EXIT GAS TEMPERATURE:** 397  
**STACK GAS FLOW RATE:** 4978 **STACK EXIT GAS VELOCITY:** 0

### List of Pollutant Information

**Note:** There is no Pollutant Information available for this Stack.

---

**STACK NUMBER:** 5 **STACK DESC:** PROCESS DRYER  
**STACK HEIGHT:** 0070 **STACK DIAMETER:** 02.00  
**PLUME HEIGHT:** **STACK EXIT GAS TEMPERATURE:** 300  
**STACK GAS FLOW RATE:** 0 **STACK EXIT GAS VELOCITY:** 0

### List of Pollutant Information

**Note:** There is no Pollutant Information available for this Stack.

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**Total Number of Facilities Displayed: 1**



# U.S. Environmental Protection Agency Toxics Release Inventory (TRI)

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## Envirofacts Report



Query executed on AUG-03-2004  
 Results are based on data extracted on JUN-23-2004

Click on "View Facility Information" to view EPA Facility information for the facility.

<u>Facility Name:</u> WORCESTER CO.	<u>Mailing Name:</u> WORCESTER CO.	
<u>Address:</u> 1 GREYSTONE AVE. NORTH PROVIDENCE RI 02911	<u>Mailing Address:</u> 1 GREYSTONE AVE. NORTH PROVIDENCE RI 02911	
<u>County:</u> PROVIDENCE	<u>Region:</u> 1	
<u>Facility Information:</u> <a href="#">View Facility Information</a>	<u>TRI ID:</u> 02911WRCSTGREYS	<u>DUNS Number:</u> 075682542
	<u>FRS ID</u> 110000772085	
<u>TRI Preferred Latitude:</u> 41.863889	<u>TRI Preferred Longitude:</u> 71.491667	
<u>Public Contact:</u>	<u>Phone:</u>	
<u>Parent Company:</u> NA	<u>Parent DUNS:</u> NA	

### SIC Codes for 1997

SIC CODE	SIC DESCRIPTION
2231	BROADWOVEN FABRIC MILLS, WOOL (INCLUDING DYEING AND FINISHING)

*The above information comes from 1997, which is the latest reporting year on file for this facility. The earliest reporting year on file for this facility is 1988.*

Map this facility

Map this facility using one of Envirofact's mapping utilities.

*Besides TRI, this facility also does the following:*

- has reported air releases under the Clean Air Act
- has permits to discharge to water

More information about these additional regulatory aspects of this facility can be found by pressing the other regulatory data button below.

Other Regulatory Data

**Total Aggregate Releases of TRI Chemicals to the Environment:**

For all releases estimated as a range, the mid-point of the range was used in these calculations. This table summarizes the releases reported by the facility. NR - signifies nothing reported by this facility for the corresponding medium.

**Total Aggregate Releases of TRI Chemicals excluding Dioxin and Dioxin-like Compounds  
(Measured in Pounds)**

Media	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
<b>Air Emissions</b>	NR	0	NR	NR	750	750	750	NR	NR	8029
<b>Surface Water Discharges</b>	NR	NR	NR	NR	NR	NR	NR	NR	NR	0
<b>Releases to Land</b>	NR	NR	NR	NR	NR	NR	NR	NR	NR	0
<b>Underground Injection</b>	NR	0	NR	NR	NR	NR	NR	NR	NR	0
Total On-Site Releases	NR	0	NR	NR	750	750	750	NR	NR	8029
<b>Transfer Off-Site to Disposal</b>	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Releases	NR	0	NR	NR	750	750	750	NR	NR	8029

Graphic Summary of this Table

**Total Aggregate Releases of Dioxin and Dioxin-like Compounds  
(Measured in Grams)**

Media	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
<b>Air Emissions</b>	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Surface Water Discharges</b>	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Releases to Land</b>	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Underground Injection</b>	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total On-Site Releases	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>Transfer Off-Site to Disposal</b>	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Total Releases	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

Graphic Summary of this Table

**TRI Chemicals Reported on Form A:**

The facility has certified that for each chemical listed below, the annual release did not exceed 500 pounds for the reporting year listed and the listed chemical was not manufactured, processed, or otherwise used in an amount exceeding 1 million pounds in the reporting year. Form A can not be filed for PBT chemicals (except certain instances of reporting lead in stainless steel, brass, or bronze alloys).

	TRI								
--	-----	--	--	--	--	--	--	--	--

Chemical Name	Chemical ID	1997	1996	1995	1994	1993	1992	1991	1988
1,1,1-TRICHLOROETHANE	000071556	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
1,2-BUTYLENE OXIDE	000106887	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
1,4-DIOXANE	000123911	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
AMMONIA	007664417	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
CADMIUM	007440439	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
CHROMIUM	007440473	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
CHROMIUM COMPOUNDS (EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	N090	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
COBALT COMPOUNDS	N096	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
COPPER	007440508	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
DIBUTYL PHTHALATE	000084742	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
DIETHANOLAMINE	000111422	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
DIMETHYL PHTHALATE	000131113	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
ETHYLENE GLYCOL	000107211	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
FORMALDEHYDE	000050000	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
FORMIC ACID	000064186	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	007647010	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
ISOPROPYL ALCOHOL (MANUFACTURING, STRONG-ACID PROCESS ONLY, NO SUPPLIER)	000067630	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
LEAD	007439921	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
METHANOL	000067561	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
NICKEL	007440020	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
SULFURIC ACID (1994 AND AFTER "ACID AEROSOLS" ONLY)	007664939	Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
TOLUENE	000108883	Reported	Not	Not	Not	Not	Not	Not	Not

			Reported	Reported	Reported	Reported	Reported	Reported	Reported	Reported
--	--	--	----------	----------	----------	----------	----------	----------	----------	----------

**NOTE:**

All chemicals reported below have release or transfer amounts greater than zero. To see a list of all chemicals reported by this facility click [here](#).

**Names and Amounts of Chemicals Released to the Environment by Year.**

For all releases estimated as a range, the mid-point of the range was used in these calculations. NR - signifies nothing reported for this facility by the corresponding medium. Rows with all "0" or "NR" values were not listed.

Chemical Name	Media	Unit Of Measure	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988
AMMONIA (TRI Chemical ID: 007664417)	AIR FUG	Pounds	NR	NR	NR	NR	NR	NR	NR	NR	NR	72
AMMONIA (TRI Chemical ID: 007664417)	AIR STACK	Pounds	NR	NR	NR	NR	NR	NR	NR	NR	NR	72
AMMONIUM SULFATE (SOLUTION) (TRI Chemical ID: 007783202)	AIR FUG	Pounds	NR	NR	NR	NR	NR	NR	NR	NR	NR	190
AMMONIUM SULFATE (SOLUTION) (TRI Chemical ID: 007783202)	AIR STACK	Pounds	NR	NR	NR	NR	NR	NR	NR	NR	NR	300
METHANOL (TRI Chemical ID: 000067561)	AIR FUG	Pounds	NR	NR	NR	NR	750	750	750	NR	NR	3150
METHANOL (TRI Chemical ID: 000067561)	AIR STACK	Pounds	NR	NR	NR	NR	NR	NR	NR	NR	NR	3780
SODIUM HYDROXIDE (SOLUTION) (TRI Chemical ID: 001310732)	AIR FUG	Pounds	NR	NR	NR	NR	NR	NR	NR	NR	NR	315
SODIUM HYDROXIDE (SOLUTION) (TRI Chemical ID: 001310732)	AIR STACK	Pounds	NR	NR	NR	NR	NR	NR	NR	NR	NR	150

**Discharge of Chemicals into Streams or Bodies of Water:**

Please note that either there were no releases of chemicals into streams or bodies of water reported by this facility or the facility did not file a TRI form R for the years 1987 to 2000. Rows with Release Amount equal to "0" were not listed.

**Transfer of Chemicals to Off-Site Locations other than POTWs:**

Please Note that there were no Transfer of Chemicals to Off-Site Locations other than POTWs. Rows with Total Transfer Amount equal to "0" were not listed.

**Summary of Waste Management Activites**

**Summary of Waste Management Activities excluding Dioxin and Dioxin-like Compounds  
(Measured in Pounds)**

*This facility did not report any waste management activities for non Dioxin-like Compounds.*

**Summary of Waste Management Activities for Dioxin and Dioxin-like Compounds  
(Measured in Grams)**

*This facility did not report any waste management activities for Dioxin and Dioxin-like Compounds.*

**Chemicals Under Waste Management:**

*This facility did not report any chemicals as being treated, recycled, or used in energy recovery.*

**Transfer of Chemicals to Publicly Owned Treatment Works (POTW):**

*Please note that transfer amounts are not included in the Total Aggregate Releases shown above. For all releases estimated as a range, the mid-point of the range was used in these calculations.*

Chemical Name	Year	Unit Of Measure	Total Transfer Amount
AMMONIA	1988	Pounds	14240
AMMONIUM SULFATE (SOLUTION)	1988	Pounds	18510
CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	1994	Pounds	250
CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	1995	Pounds	250
CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	1996	Pounds	250
METHANOL	1988	Pounds	8823
SODIUM HYDROXIDE (SOLUTION)	1988	Pounds	15295

**Publicly Owned Treatment Works (POTW) that Chemicals were Transferred to:**


Chemical Name	Year	POTW Name and Address
AMMONIA	1988	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
AMMONIUM SULFATE (SOLUTION)	1988	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	1994	FIELDS POINT TREATMENT PLANT, NARRA. BAY WATER QUAL. COMM. 235 PROMENADE ST. PROVIDENCE, RI 02908

CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	1995	FIELDS POINT TREATMENT PLANT. NARRA. BAY WATER QUAL. COMM. 235 PROMANADE ST. PROVIDENCE, RI 02908-
CHROMIUM COMPOUNDS(EXCEPT CHROMITE ORE MINED IN THE TRANSVAAL REGION)	1996	NARRAGANSETT BAY COMMISSION, FIELDS POINT 459 PROMENADE ST. PROVIDENCE, RI 02908
METHANOL	1988	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903
SODIUM HYDROXIDE (SOLUTION)	1988	NARRAGANSETT BAY COMMISSION 459 PROMENADE ST. PROVIDENCE, RI 02903

### Non Production Releases:

*This facility did not report any Non-Production releases.*

The Environmental Defense Fund's (EDF) Chemical Scorecard has on-line environmental information regarding this

 facility's reported TRI releases. This information resource is not maintained, managed, or owned by the Environmental Protection Agency (EPA) or the Envirofacts Support Team. Neither the EPA nor the Envirofacts Support Team is responsible for their content or site operation. The Envirofacts Warehouse provides this reference only as a convenience to our Internet users.

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Last updated on Tuesday, August 3rd, 2004  
[http://oaspub.epa.gov/enviro/tris\\_control.tris\\_print](http://oaspub.epa.gov/enviro/tris_control.tris_print)



AUTHORIZATION TO DISCHARGE UNDER THE  
RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of Chapter 46-12 of the Rhode Island General Laws, as amended,

**Worcester Textile Company**  
One Greystone Avenue  
Centerdale, Rhode Island 02911

is authorized to discharge from a facility located at

**Worcester Textile Company**  
One Greystone Avenue  
Centerdale, Rhode Island 02911

to receiving waters named

**Woonasquatucket River**

010605

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

This permit shall become effective on \_\_\_\_\_.

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

This permit supersedes the permit issued on May 4, 1988.

This permit consists of 6 pages in Part I including effluent limitations, monitoring requirements, etc. and 10 pages in Part II including General Conditions.

Signed this \_\_\_\_\_ day \_\_\_\_\_, 1995.

**DRAFT**

Alicia M. Good, P.E., Chief  
Division of Water Resources  
Rhode Island Department of Environmental Management  
Providence, Rhode Island

FEB 01 95

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning the effective date and lasting through the expiration, the permittee is authorized to discharge from outfall serial number 001A. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations					Monitoring Requirement	
	Quantity - lbs./day		Concentration - specify units			Measurement Frequency	Sample Type
	Average Monthly	Maximum Daily	Average Monthly *(Minimum)	Average Weekly *(Average)	Maximum Daily *(Maximum)		
Flow		300 GPD				1/Quarter	Estimate
Temperature					(83°F)	1/Quarter	8 Grabs <sup>1</sup>
pH			(6.0 s.u.)		(8.5 s.u.)	1/Quarter	8 Grabs <sup>1</sup>

<sup>1</sup>The eight (8) grab samples shall be taken on the same day equally spaced over the course of the work day.

\*Values in parentheses ( ) are to be reported as Minimum/Average/Maximum for the reporting period rather than Average Monthly/Average Weekly/Maximum Daily.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: Outfall 001A (Boiler Blowdown).

## A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. During the period beginning the effective date and lasting through the expiration, the permittee is authorized to discharge from outfall serial number 002A. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations					Monitoring Requirement			
	Quantity - lbs./day		Concentration - specify units			Measurement Frequency	Sample Type		
	Average Monthly	Maximum Daily	Average Monthly *(Minimum)	Average Weekly *(Average)	Maximum Daily *(Maximum)				
Flow	45,000 GPD <sup>1</sup>					1/Month	Estimate		
TSS - Influent			---	mg/l		---	mg/l	1/Month	8-Hour Composite
TSS - Effluent			18.75	mg/l		150	mg/l	1/Month	Composite <sup>2</sup>

<sup>1</sup>The flow limit restricts the volume of water the permittee can discharge per day. It was calculated based on three (3) backwash cycles per day at a flow rate of 500 gpm with each cycle lasting approximately thirty (30) minutes in duration.

<sup>2</sup>One (1) grab sample shall be taken from each of the two (2) sand filters midway through the backwash cycle and then combined to form one (1) composite sample.

--- signifies a parameter which must be monitored and data must be reported; no limit has been established at this time.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: Outfall 002A (Filter Backwash).

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning the effective date and lasting through the expiration, the permittee is authorized to discharge from outfall serial number 003A. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	<u>Discharge Limitations</u>					<u>Monitoring Requirement</u>	
	Quantity - lbs./day		Concentration - specify units			Measurement <u>Frequency</u>	Sample <u>Type</u>
	<u>Average Monthly</u>	<u>Maximum Daily</u>	<u>Average Monthly</u> *(Minimum)	<u>Average Weekly</u> *(Average)	<u>Maximum Daily</u> *(Maximum)		
Flow		0.2MGD				1/Month	Estimate
Temperature					(83°F)	1/Month	8 Grabs <sup>1</sup>
pH			(6.0 s.u.)		(8.5 s.u.)	1/Month	8 Grabs <sup>1</sup>

<sup>1</sup>The eight (8) grab samples shall be taken on the same day equally spaced over the course of the work day.

\*Values in parentheses ( ) are to be reported as Minimum/Average/Maximum for the reporting period rather than Average Monthly/Average Weekly/Maximum Daily.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: Outfall 003A (Non-Contact Cooling Water).

4.
  - a. The pH of the effluent shall not be less than 6.0 nor greater than 8.5 standard units at any time, unless these values are exceeded due to natural causes or as a result of the approved treatment processes.
  - b. The discharge shall not cause visible discoloration of the receiving waters.
  - c. The effluent shall contain neither a visible oil sheen, foam, nor floating solids at any time.
  - d. This permit authorizes only the usage of the following chemical additives for boiler water treatment: Nutmeg NB-21, Nutmeg NB-87, Nutmeg NB-48, and Nutmeg NB-50. Should usage of additional and/or alternative chemicals be necessitated in the future, the permittee shall submit a complete list of all chemical additives, including Material Safety Data Sheets. The permittee shall not begin usage of any chemical additives without prior written approval from the Division of Water Resources.
  
5. 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-dinitro-phenol; 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. s122.21(g)(7); or
    - (4) Any other notification level established by the Director in accordance with 40 C.F.R. s122.44(f) and Rhode Island Regulations.
  
  - 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. s122.21(g)(7); or
    - (4) Any other notification level established by the Director in accordance with 40 C.F.F. s122.44(f) and Rhode Island Regulations.

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

**B. MONITORING AND REPORTING**

**1. Reporting**

Monitoring results obtained during the previous three (3) month(s) shall be summarized and reported on 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 \_\_\_\_\_.

Signed copies of these, and all other reports required herein, shall be submitted to:

Chief, Division of Water Resources  
Rhode Island Department of Environmental Management  
291 Promenade Street  
Providence, Rhode Island 02908

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DIVISION OF WATER RESOURCES  
291 PROMENADE STREET  
PROVIDENCE, RHODE ISLAND 02908

STATEMENT OF BASIS

RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES) PERMIT TO DISCHARGE  
TO WATERS OF THE STATE

RIPDES PERMIT NO. **RI0020401**

NAME AND ADDRESS OF APPLICANT:

**Worcester Textile Company**  
One Greystone Avenue  
Centerdale, Rhode Island 02911

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

**Worcester Textile Company**  
One Greystone Avenue  
Centerdale, Rhode Island 02911

RECEIVING WATER: **Woonasquatucket River**

CLASSIFICATION: **C**

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

The above named applicant has applied to the Rhode Island Department of Environmental Management for reissuance of a RIPDES Permit to discharge into the designated receiving water.

II. Limitations and Conditions

The effluent limitations of the permit, the *monitoring requirements*, and any implementation schedule (if required) may be found in the draft permit.

III. Permit Basis and Explanation of Effluent Limitation Derivation

The Worcester Textile Company is a manufacturer of yarns and worsted cloth. This permit authorizes the discharge from Outfalls 001A, 002A, and 003A. Attachment A-1 provides a site map, which includes the location of each of the three (3) outfalls. The discharge from each of the three (3) outfalls is as follows: Outfall 001A - boiler blowdown, Outfall 002A - effluent from a sand filter backwashing operation (associated with the withdrawal of water from the Woonasquatucket River), and Outfall 003A - non-contact cooling water used for air handlers, compressors, and drying units. Outfall 003A, which previously discharged boiler blowdown from a since abandoned boiler, has been reactivated to serve as an outfall for the non-contact cooling water. In the past, the non-contact cooling water was discharged to the sanitary sewer system.

Effluent limitations for Outfalls 001A and 003A were established for pH and temperature in accordance with the Rhode Island Water Quality Regulations for Water Pollution Control. Attachment A-2 illustrates the negligible thermal impact the combined discharges would have on the receiving water. The TSS effluent limitation for Outfall 002A has remained consistent with the Permit Modification issued on May 16, 1989, which was originally based on Best Professional Judgement (BPJ) and information submitted by the permittee. The flow limit for Outfall 002A, which restricts the volume of discharge per day, has been increased from 15,000 gpd to 45,000 gpd. This increase was due to the permittee expressing the need to increase the backwashing cycle from once per day to three (3) times per day, in order to obtain a more efficiently backwashed filter. Although the flow limit has increased threefold, the mass loading of TSS to the receiving water is not expected to increase significantly. This is due to the fact that the quantity of water filtered is not being increased, therefore, the mass of solids within the filter media would remain constant and be released three (3) times per day, rather than just once per day.

IV. DEM Contact

Additional information concerning the permit may be obtained between the hours of 8:30 a.m. and 4:00 p.m., Monday through Friday, excluding holidays, from:

Christopher S. Feeney, Senior Sanitary Engineer  
Permits Section  
Division of Water Resources  
Department of Environmental Management  
291 Promenade Street  
Providence, Rhode Island 02908  
Telephone: (401) 277-6519

December 28, 1994

Date

Angelo S. Liberti

Angelo S. Liberti, P.E.  
Supervising Sanitary Engineer  
Permits Section  
Division of Water Resources  
Department of Environmental Management



## ATTACHMENT A-2

### Flow:

Receiving Water - Woonasquatucket River 7Q10 @ Centerdale Gauge = 5.18 MGD  
Outfall 001A - Daily Maximum Limit = 300 GPD  
Outfall 003A - Daily Maximum Limit = 0.2MGD

### Temperature:

Outfall 001A - Temperature Limit = 83°F  
Outfall 003A - Temperature Limit = 83°F  
Instream Temperature - Summer = 72°F  
Instream Temperature - Winter = 36°F

### Water Quality Limits:

Allowable Net Instream Temperature Change = 4.0 °F

### Mass Balance:

$$Q_{\max}(T_{\text{limit}}) + Q_{7Q10}(T_{\text{instream}}) = (Q_{\max} + Q_{7Q10})(T_{\text{instream}} + \Delta T)$$

Where:  $Q_{\max}$  = Daily Maximum Limit @ Outfall 001A + Outfall 003A  
 $Q_{7Q10}$  = Low Flow for Woonasquatucket River  
 $T_{\text{limit}}$  = Proposed Permit Limit for Temperature  
 $T_{\text{instream}}$  = Instream Ambient Temperature  
 $\Delta T$  = Net Change in Temperature

#### Case 1 - Summer Months

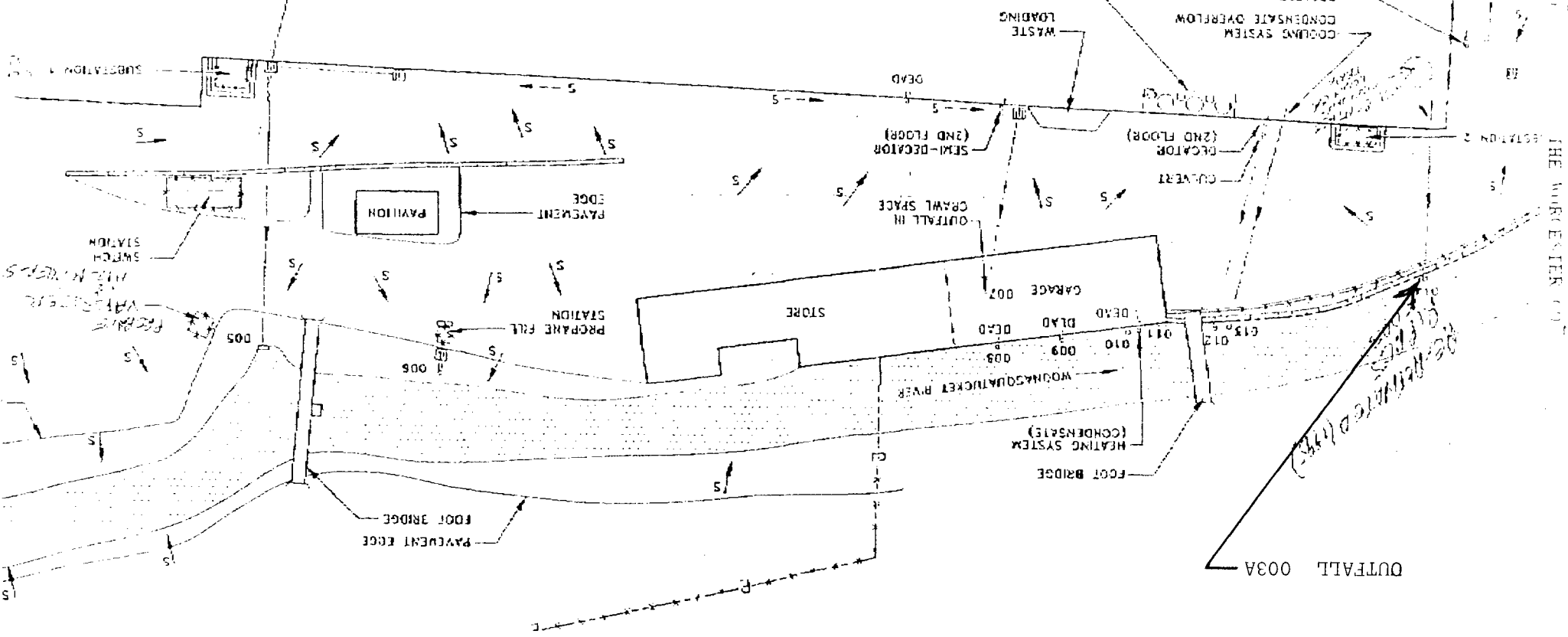
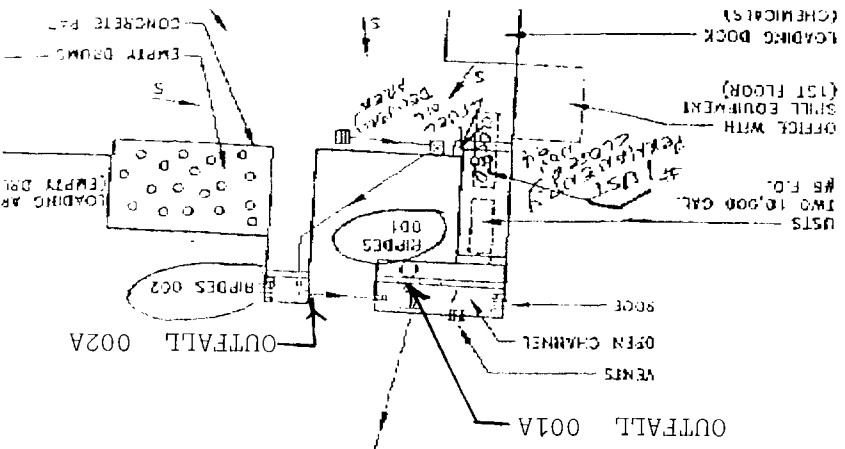
$$(0.2 \text{ MGD})(83^\circ\text{F}) + (5.18 \text{ MGD})(72^\circ\text{F}) = (0.2 \text{ MGD} + 5.18 \text{ MGD})(72^\circ\text{F} + \Delta T)$$

$\Delta T = 1.75^\circ\text{F} \leq 4.0^\circ\text{F}$  - Proposed limit increase meets Water Quality Regulations.

#### Case 2 - Winter Months

$$(0.2 \text{ MGD})(83^\circ\text{F}) + (5.18 \text{ MGD})(36^\circ\text{F}) = (0.2 \text{ MGD} + 5.18 \text{ MGD})(36^\circ\text{F} + \Delta T)$$

$\Delta T = 0.4^\circ\text{F} \leq 4.0^\circ\text{F}$  - Proposed limit increase meets Water Quality Regulations.



ATTACHMENT A-1

Permit No. RI0100251  
Page 1 of 23

*Orig*

**AUTHORIZATION TO DISCHARGE UNDER THE  
RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of Chapter 46-12 of the Rhode Island General Laws, as amended,

**The Town of Smithfield**

is authorized to discharge from a facility located at

**Smithfield Wastewater Treatment Plant  
Esmond Mill Drive  
Smithfield, Rhode Island 02917**

to receiving waters named

**Woonasquatucket River**

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

This permit shall become effective March 1, 2000.

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

This permit supersedes the permit issued on September 19, 1991.

This permit consists of 23 pages in Part I including effluent limitations, monitoring requirements, etc. and 10 pages in Part II including General Conditions.

Signed this *25<sup>th</sup>* day of *January*, 2000.

*Angelo S. Liberti*

Angelo S. Liberti, Chief of Watersheds and Standards  
Office of Water Resources  
Rhode Island Department of Environmental Management  
Providence, Rhode Island

ORIG

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number(s) 001A. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations					Monitoring Requirements	
	Quantity - lbs/day		Concentration - units specified			Measurement Frequency	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Average Weekly	Maximum Daily		
Phosphorus, Total (May-Oct) <i>00645</i>			0.2 mg/l		--- mg/l	3/Week	24-hr comp ✓
Nitrate, Total (as N) (May-Oct) <i>00620</i>			---		---	3/Week	24-hr comp ✓
Nitrite, Total (as N) (May-Oct) <i>00615</i>			---		---	3/Week	24-hr comp ✓
TKN (as N) (May-Oct) <i>00635</i>			---		---	3/Week	24-hr comp ✓
Total Nitrogen (TKN + NO <sub>2</sub> + NO <sub>3</sub> ) (May-Oct) <i>00620</i>			---		---	3/Week	Calculated ✓
Ammonia, Total (as N) (May-Oct) <i>00610</i>			2.6 mg/l		18.2 mg/l	3/Week	24-hr comp ✓

<sup>1</sup>The town shall design, construct, and operate facility modifications to reduce the discharge of total nitrogen during the months of May through October. These modifications shall be subject to DEM review, modification and approval.

--- signifies a parameter which must be monitored and data must be reported; no limit has been established at this time.

Samples taken in compliance with the monitoring requirements specified above shall be taken Monday through Friday at the following location: Outfall 001A.

ORIG

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

4. During the period beginning effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number(s) 001A. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations					Monitoring Requirements	
	Quantity - lbs/day		Concentration - units specified			Measurement Frequency	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Average Weekly	Maximum Daily		
Phosphorus, Total (Nov-Apr)	00665		1.0 mg/l		--- mg/l	1/Week	24-hr comp ✓
Nitrate, Total (as N) (Nov-Apr)	00670				--- mg/l	1/Month	24-hr comp ✓
Nitrite, Total (as N) (Nov-Apr)	00615				--- mg/l	1/Month	24-hr comp ✓
TKN (as N) (Nov-Apr)	00670				--- mg/l	1/Month	24-hr comp ✓
Total Nitrogen (TKN + NO <sub>2</sub> + NO <sub>3</sub> ) (Nov-Apr)	00650				--- mg/l	1/Month	Calculated ✓
Ammonia, Total (as N) (Nov-Apr)	00610		12.6 mg/l		29.1 mg/l	1/Week	24-hr comp ✓

--- signifies a parameter which must be monitored and data must be reported; no limit has been established at this time.

Samples taken in compliance with the monitoring requirements specified above shall be taken Monday through Friday at the following location: Outfall 001A.



RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-331-5508

March 26, 2001

**CERTIFIED MAIL**

Mr. Russell R. Marcoux, Town Manager  
Town of Smithfield  
64 Farnum Pike  
Esmond, RI 02917

RE: Consent Agreement RIA-309

Dear Mr. Marcoux:

Enclosed please find a fully executed copy of Consent Agreement No. RIA-309 to resolve the appeal of Rhode Island Pollutant Discharge Elimination System (RIPDES) Permit No. RI0100251.

Thank you for your cooperation in reaching this Agreement and if you have any questions concerning this matter, please contact Joseph Haberek, P.E., at 401-222-4700, extension 7715.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric A. Beck".

Eric A. Beck, P.E.  
Supervising Sanitary Engineer

EAB/JBH:jbh✓

Enclosure

cc: Angelo S. Liberti, Chief, Water Resources, DEM  
Gregory Schultz, DEM Legal  
Kathleen Lanphear, AAD  
Steve Wold, US Filter  
Steve Richtarik, Beta Engineering  
Eugenia Marks, Audubon Society of Rhode Island

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES

IN RE: AAD No. 00-003/WRA

No. RIA-309

CONSENT AGREEMENT

This Consent Agreement is entered into by and between the Department of Environmental Management (the "DEM") and the Town of Smithfield (the "Respondent" or the "Town"), that is responsible for the operation of the Smithfield Wastewater Treatment Plant (the "Facility"), located in Smithfield, Rhode Island. This Agreement is entered into in accordance with Chapters 46-12 and 42-17.1 of the Rhode Island General Laws ("RIGL").

The DEM issued a final permit to the Town dated January 25, 2000, which was modified on August 9, 2000 (the "Permit"). By a letter dated February 22, 2000, and amended by letters dated April 17, 2000 and August 1, 2000, the Town requested an administrative hearing and moved to stay certain conditions of the Permit.

In lieu of convening an Administrative Hearing regarding the disputed permit conditions and in order to effect a resolution of all disputed issues in this matter between DEM and the Respondent, the parties agree as follows:

1. The Respondent is subject to the provisions of Chapter 46-12 of the RIGL for purposes of this Agreement.
2. DEM has jurisdiction over the subject matter of this Agreement and has personal jurisdiction over the Respondent for purposes of this Agreement.
3. The provisions of this Agreement shall apply to and be binding upon the Respondent, its agents, servants, employees, successors and assigns, and all persons, firms and corporations acting under, through and for it.
4. Compliance with the terms of this Agreement does not relieve the Respondent from compliance with any other applicable laws or regulations administered by DEM or any other governmental entity.
5. Upon the determination by the Director of the DEM that there is an immediate threat to the public health or the environment, or upon the discovery of new information, the DEM reserves the right to order additional remedial action or other enforcement measures as provided by law or regulations.
6. The Director of the DEM may, for good cause shown, defer any of the compliance dates prescribed herein. In the event that the Respondent believes that good cause exists for extending any such dates, the Respondent may submit a written request to DEM for an extension at least seven (7) days prior to such deadline, together with a complete statement of the reasons why the Respondent believes that such an extension is justified.

7. In the event that the Respondent fails to comply with any of the schedules in paragraphs 11, 12, and 13 of this Agreement it shall pay a stipulated penalty of one thousand dollars (\$1,000) a day for each and every day it remains in violation of the schedule. The payment of a stipulated penalty in accordance with this paragraph shall not preclude DEM from seeking any other appropriate remedy.
8. In the event that the Respondent fails to comply with any of the interim limits of paragraphs 11 and 12 of this Agreement it may be subject to an administrative penalty as determined by the DEM in accordance with the Rules and Regulations for Assessment of Administrative Penalties. The payment of an administrative penalty in accordance with this paragraph shall not preclude DEM from seeking any other appropriate remedy.
9. This Agreement shall have the full force and effect of a final administrative adjudication, shall be deemed a final administrative decision under the Administrative Procedures Act (RIGL Chapter 42-34) and shall be fully enforceable in the Superior Court of the State of Rhode Island.
10. Within thirty (30) days, from the date of execution of this Agreement, the DEM shall initiate procedures to modify the Total Phosphorus limits, such that the Average Monthly limits will be 0.2 mg/L for the months of June - September, 0.5 mg/l for the months of May and October, and 1.0 mg/l for the months of November - April. The Town agrees not to contest a modification of RIPDES permit No. RI0100251 to include these permit limits.
11. The Respondent shall attain compliance with the final effluent limits for Average Monthly Copper, Daily Maximum Copper, Average Monthly Zinc, and Daily Maximum Zinc as specified in Part I.A.5 of RIPDES Permit No. RI0100251, in accordance with the following schedule:
  - (a) Within twelve (12) months of the execution of this Agreement, the Respondent shall submit a report on the results of a Clean Sampling and Clean Analysis Comparative Study. The Clean Sampling and Analysis Comparative Study shall be subject to DEM review, modification and approval and, at a minimum, shall include the following items:
    - (i) Four (4) months of comparative sampling using two (2) levels of increasing sampling and analysis cleanliness and the Town's existing sampling and analysis protocol. During the four (4) month sampling period, comparative samples must be collected on the Town's effluent a minimum of twice a month to yield a total of eight (8) comparative clean analysis and clean sampling data sets. Each data set shall have three (3) samples for a clean sampling comparison and three (3) samples for a clean analysis comparison (one (1)



sample using the Town's standard protocol and two (2) samples using increasing levels of clean protocol), to give a total of six (6) samples per sampling day. For guidance on determining the appropriate levels of cleanliness to be used, the Respondent is referred to Appendix C of EPA's *Interim Guidance on Determination and Use of Water-Effect Ratios for Metals*, dated February 1994.

- (ii) A recommendation of the levels of cleanliness to be used for both sampling and analysis, and a schedule for the implementation of the recommended clean sampling and analysis techniques.
- (b) Upon approval of the Clean Sampling and Analysis Comparative Study, the Respondent must initiate work on the implementation of the recommended clean sampling and analysis techniques in accordance with the approved schedule.
- (c) Within nine (9) months of the completion of the implementation of the recommended clean sampling and analysis techniques, the Town shall submit a Metals Compliance Report indicating if compliance with the Permit limitations for Average Monthly Copper, Daily Maximum Copper, Average Monthly Zinc, and Daily Maximum Zinc can be achieved. This report shall include a schedule for implementing the recommendations necessary to comply with final limits and shall be subject to DEM review, modification and approval. The compliance determination shall be based on the following items:
- (i) The results of at least six (6) months of sampling conducted using the approved levels of Clean Sampling and Analysis.
  - (ii) A technically-based local limits analysis performed in accordance with EPA's *Guidance Manual on the Development of Local Discharge Limitations Under the Pretreatment Program* (December, 1987) and the 1991 *EPA Supplemental Manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Program* for Copper and Zinc. The analysis shall include actual data from a minimum of three (3) "domestic sewage" sampling areas and three (3) "commercial sewage" sampling areas. The analysis should also include industrial data, plant influent data, plant effluent data, and removal rates based on actual data from the past two (2) years. The Town must consider in its analysis unit process protection (activated sludge, aerobic digestion, etc.), worker health and safety, hauled septage waste, and the RIPDES Permit limitations.

- (d) Upon review of the Metals Compliance Report the DEM shall determine if additional measures are necessary to attain compliance with the final permit limits for Average Monthly Copper, Daily Maximum Copper, Average Monthly Zinc, and Daily Maximum Zinc.
  - (i) If additional measures are necessary, then DEM will enter into a separate consent agreement with the Respondent to address compliance schedules.
  - (ii) If additional measures are not necessary then, within three (3) months of the completion of implementation of the recommendations of the Metals Compliance Report, in accordance with the approved schedule, the Town shall meet final limits for Copper and Zinc as specified in Part I.A.5 of RIPDES Permit No. RI0100251.
- (e) From the date of execution of this Agreement until the completion of Part 11(d) above, the Respondent shall meet the interim limits as found in *Attachment 1*, which is attached hereto and incorporated herein. ✓

12. The Respondent shall attain compliance with the final effluent limits for Average Monthly Ammonia (January – December), Maximum Daily Ammonia (June – October), Average Monthly Phosphorus (January – December), and CBOD (May – October) as specified in Part I.A of RIPDES Permit No. RI0100251, in accordance with the following schedule:

- (a) Within six (6) months of the issuance of the permit modification under paragraph 10 of this Agreement, the Respondent shall submit a Wastewater Facilities Plan Amendment to evaluate and recommend alternative(s) to attain compliance with the Average Monthly Ammonia (January – December), Maximum Daily Ammonia (June – October), Average Monthly Phosphorus (January – December), and CBOD (May – October) limitations specified in the Town's RIPDES Permit. The Facilities Plan Amendment shall be subject to DEM review, modification and approval. ✓
- (b) Within six (6) months of DEM's approval of the Facilities Plan Amendment, the Town shall submit a Preliminary Engineering Report to DEM. The Preliminary Engineering Report shall include a schedule for submitting the Order of Approval Application. The Preliminary Engineering Report is subject to DEM review, modification, and approval. Upon DEM approval of the Preliminary Engineering Report, the Respondent shall submit the Order of Approval Application in accordance with the approved schedule. ✓

- (c) The Order of Approval application shall, at a minimum, include final plans, the appropriate fee, technical specifications, design calculations, and a schedule for construction and initiation of operation. The Order of Approval application is subject to DEM review, modification, and approval.
  - (d) Upon the DEM issuance of an Order of Approval, the Town shall begin construction and initiate operation in accordance with the approved schedule.
  - (e) Within three (3) months of the completion of construction and initiation of operation, in accordance with the approved schedule, the Respondent shall meet the final limits for Average Monthly Ammonia (January - December), Maximum Daily Ammonia (June - October), Average Monthly Phosphorus (January - December), and CBOD (May - October), as specified in RIPDES Permit No. RI0100251.
  - (f) From the date of execution of this Agreement until the completion of Part 12(e), the Respondent shall meet the interim limits in *Attachment 2* of this Agreement, which is attached hereto and incorporated herein. ✓
13. No later than fourteen (14) calendar days following a date identified in any schedule of compliance, the Respondent 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 requirements.
14. All reports and other documentation that the Respondent is required to submit to the DEM by the terms of this Agreement shall be sent to the Office of Water Resources, RIPDES Program, 235 Promenade Street, Providence, RI 02908-5767. Each document shall be subject to DEM review and approval. Upon DEM review of the document, DEM shall provide written notification to the Respondent, either granting approval or stating the deficiencies revealed therein. Within fourteen (14) days (unless a longer time is specified) of receiving a notification of deficiencies, the Respondent shall submit to DEM a revised document consistent with the DEM comments.
15. This Agreement supersedes Compliance Order RIO-055.
16. This Agreement shall be deemed entered as of the date of execution by the parties.

TOWN OF SMITHFIELD

*Russell R. Marcoux*  
Russell R. Marcoux, Smithfield Town Manager

*Mar. 20, 2001*

The individual signing on behalf of the Town of Smithfield represents that he has the actual authority to enter into this Agreement, and the authority to bind the Town of Smithfield to the requirements contained within.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
FOR THE DIRECTOR

*Angelo S. Liberty*  
Angelo S. Liberty, P.E., Chief of Watersheds and Standards  
Office of Water Resources *Surface Water Protection*

*March 26, 2001*

Date

Date of signature  
 12/10/01  
 CA-RII-209  
 PART I  
 9/11/01 - 2/1/05

ATTACHMENT 1

Permit No. RI0100251

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the date of execution of this agreement and lasting through the completion of paragraph 11(d), the permittee is authorized to discharge from outfall serial number 001A.

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

Effluent Characteristic	Discharge Limitations			Monitoring Requirement			
	Quantity		Concentration - specify units			Measurement Frequency	Sample Type
	Average Monthly <i>*(Minimum)</i>	Maximum Daily <i>*(Average)</i>	Average Monthly <i>*(Maximum)</i>	Average Weekly	Maximum Daily		
Influent and effluent shall be Sampled for <sup>1</sup>							
✓ Total Copper			27 µg/l		44 µg/l	1/Week	24-Hr. Comp.
✓ Total Zinc			61 µg/l		92 µg/l	1/Week	24-Hr. Comp.

<sup>1</sup> Influent and effluent shall be sampled for the above parameters once per week. Sampling of influent and effluent shall be done to account for detention time through the plant.

--- Signifies a parameter that must be monitored and data reported but no limit has been established at this time.

Samples taken in compliance with the monitoring requirements specified above shall be taken Monday through Friday at the following location:  
Outfall 001A.

CA PIA-319  
 01101-01105

ATTACHMENT 2

Permit No. RI0100251

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the date of execution of this agreement and lasting through the completion of paragraph 13(e), the permittee is authorized to discharge from outfall Serial number 001A. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations		Concentration - specify units			Monitoring Requirement	
	Average Monthly	Maximum Daily	Average Monthly	Average Weekly	Maximum Daily	Measurement Frequency	Sample Type
✓ CBOD (May - Oct) <sup>508.5</sup>	292 lbs/d	496 lbs/d	--- mg/l	15 mg/l	17 mg/l	3/Week	24-Hr. Comp. <sup>1/10/05</sup>
✓ Ammonia, Total (as N) (June - Oct) <sup>N-10/C</sup>			--- mg/l		29.1 mg/l	3/Week	24-Hr. Comp. <sup>MRT</sup>
✓ Ammonia, Total (as N) (Nov & Apr - May)			--- mg/l		29.1 mg/l	1/Week	24-Hr. Comp. <sup>MRT</sup>
✓ Ammonia, Total (as N) (Dec - Mar)			--- mg/l		29.1 mg/l	1/Week	24-Hr. Comp. <sup>MRT</sup>
Phosphorus, Total (June - Sep) <sup>MRT</sup>			--- mg/l		--- mg/l	3/Week	24-Hr. Comp. <sup>MRT</sup>
Phosphorus, Total (May & Oct)			--- mg/l		--- mg/l	3/Week	24-Hr. Comp. <sup>MRT</sup>
Phosphorus, Total (Nov - Apr)			--- mg/l		--- mg/l	1/Week	24-Hr. Comp. <sup>extend due to 6/11/05</sup>

Testing for CBOD shall be performed and reported on influent and effluent with appropriate allowances for hydraulic detention time. Two (2) of the CBOD samples shall be taken at the same time as two (2) of the TSS samples.

--- Signifies a parameter that must be monitored and data reported but no limit has been established at this time.

Samples taken in compliance with the monitoring requirements specified above shall be taken Monday through Friday at the following location: Outfall 001A.



RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-831-5503

June 7, 2001

**CERTIFIED MAIL**

Mr. Russell R. Marcoux, Town Manager  
Town of Smithfield  
64 Farnum Pike  
Esmond, RI 02917

**RE: RIPDES Permit No. RI0100251**

Dear Mr. Marcoux:

Enclosed is your final Rhode Island Pollutant Discharge Elimination System (RIPDES) Permit modification issued pursuant to the above referenced application. State regulations, promulgated under Chapter 46-12 of the Rhode Island General Laws of 1956, as amended, require this permit modification to become effective on the date specified in the modification.

Also enclosed is information relative to hearing requests and stays of RIPDES Permits.

Please note that Paragraph 12(a) of the Town's Consent Agreement No. RIA-309 requires that the Town submit a Wastewater Facilities Plan Amendment that evaluates and recommends alternatives to attain compliance with the Ammonia, Phosphorus, and CBOD limits within six (6) months of the issuance of the enclosed permit modification. Therefore, the Wastewater Facilities Plan Amendment is due by November 8, 2001.

We appreciate your cooperation throughout the development of this permit modification. Should you have any questions concerning this permit, feel free to contact Joseph Haberek of the State Permits Staff at (401) 222-4700, extension 7715.

Sincerely,

Eric A. Beck, P.E.  
Supervising Engineer

EAB;jbh

Enclosures

cc: EPA Permits Branch, Region 1  
Annie McFarland, DEM  
Chris Turner, DEM  
Steve Wold, Smithfield WWTF  
Eugenia Marks, Audubon Society of Rhode Island

Office of Water Resources/Telephone: 401.222.7400/Fax: 401.222.6177

FinalPermitLetter

MODIFICATION

AUTHORIZATION TO DISCHARGE UNDER THE  
RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of Chapter 46-12 of the Rhode Island General Laws, as amended, RIPDES Permit No. RI0100251 issued to the Town of Smithfield on January 25, 2000 and modified on August 9, 2000, shall be modified as follows:

Total Phosphorus limits, for May 1 – October 31, on Page 4 Part I.A.3 of the permit shall be deleted and replaced with the Total Phosphorus limits in Attachment A of this Modification.

The remaining effluent limitations, monitoring requirements and other conditions in the original permit are unchanged and in effect.

This modification shall become effective on the date of signature.

This permit and the authorization to discharge expire at midnight, March 1, 2005.

This change modifies the permit issued on January 25, 2000.

This modification consists of three (3) page(s).

Signed this 8<sup>th</sup> day of June, 2001.

Angelo S. Liberti  
Angelo S. Liberti, P.E., Chief of Surface Water Protection  
Office of Water Resources  
Rhode Island Department of Environmental Management  
Providence, Rhode Island



ATTACHMENT A

PART 1

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

3. During the period beginning on the effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number(s) 001A.

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

Effluent Characteristic	Discharge Limitations			Concentration - specify units		Monitoring Requirement	
	Average Monthly	Maximum Daily	Average Monthly	Average Weekly	Maximum Daily	Measurement Frequency	Sample Type
Phosphorus, Total (June - Sept)			0.2 mg/l		--- mg/l	3/Week	24-Hr. comp.
Phosphorus, Total (May & Oct)			0.5 mg/l		--- mg/l	3/Week	24-Hr. comp.

--- Signifies a parameter which must be monitored and data must be reported; no limit has been established at this time.

Samples taken in compliance with the monitoring requirements specified above shall be taken Monday through Friday at the following locations:  
Outfall 001A.

FACT SHEET

## RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES) PERMIT TO DISCHARGE TO WATERS OF THE STATE

RIPDES PERMIT NO. RI 0100251

NAME AND ADDRESS OF APPLICANT:

**The Town of Smithfield**  
64 Farnum Pike  
Esmond, RI 02917

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

**Smithfield Wastewater Treatment Plant**  
Esmond Mill Drive  
Smithfield, RI 02917

RECEIVING WATER: Woonasquatucket River

CLASSIFICATION: B1

**I. Proposed Action**

Modification of the Total Phosphorus limits in the existing RIPDES permit (dated January 25, 2000), in response to negotiations related to an appeal of the original limits. The appeal was resolved by Consent Agreement Number RIA-309, under which the DEM agreed to process this modification.

**II. Permit Limitations and Conditions**

The final effluent limitations and monitoring requirements may be found in the draft permit modification. DEM has entered into a Consent Agreement that includes interim limitations, interim monitoring requirements, and a compliance schedule.

**III. Permit Basis and Explanation of Effluent Limitation Derivation**

The Town of Smithfield owns the Regional Wastewater Treatment Facility located on Esmond Mill Drive in Smithfield, Rhode Island. The discharge to the Woonasquatucket River consists of treated domestic and industrial wastewater contributed by the municipality of Smithfield. Treatment consists of: coarse screening, comminution, primary settling, aeration, secondary settling, and chlorination/dechlorination. Treated wastewater is discharged from Outfall 001A to the Woonasquatucket River.

The requirements set forth in this permit modification are from the State's Water Quality Regulations and the State's Regulations for the Rhode Island Pollutant Discharge Elimination System, both filed pursuant to Chapter 46-12, as amended. DEM's primary authority over the permit comes from EPA's delegation of the program in September 1984 under the Federal Clean Water Act (CWA).

The 2000 permit included seasonal monthly average phosphorus limits of 0.2 mg/l (May-October) and 1.0 mg/l (November-April) to address excessive algae growth and low dissolved oxygen levels in the river. These limits were established to reduce cultural eutrophication and meet water quality standards.

Upon finalization of the 2000 permit, the Town appealed the phosphorus limits and requested that the DEM consider alternative summer phosphorus limits. Upon reevaluation of available instream data, available dilution, and the typical aquatic plant growing season, DEM determined that the phosphorus limits could be slightly modified and still reduce cultural eutrophication and meet water quality standards.

The DEM has determined that, if the monthly average phosphorus limits were set at 0.2 mg/l (June - September), 0.5 mg/l (May and October) and 1.0 mg/l (November-April), there would be no increase in the phosphorus load for the typical aquatic plant growing season (June - September) when compared to the 2000 Permit and the reduction in the phosphorus load would be approximately 83% when compared to the pre-2000 permit levels. Therefore, the DEM has determined that the above phosphorus limits will meet the goals of reduced cultural eutrophication and compliance with water quality standards. Under the terms of Consent Agreement RIA-309, the Town will not appeal these limits and is subject to an enforceable schedule to upgrade the treatment facility to comply with these limits.

The remaining general and specific conditions of the permit are based on the RIPDES regulations as well as 40 CFR Parts 122 through 125 and remain unchanged.

#### **IV. Comment Period, Hearing Requests, and Procedures for Final Decisions**

All persons, including applicants, who believe any condition of the draft permit modification 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 Rhode Island Department of Environmental Management, Office of Water Resources, 235 Promenade Street, Providence, Rhode Island, 02908-5767. In accordance with Chapter 46-17.4 of the Rhode Island General Laws, a public hearing will be held prior to the close of the public comment period. In reaching a final decision on the draft permit the Director will respond to all significant comments and make these responses available to the public at DEM's Providence Office.

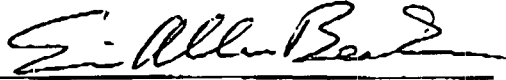
Following the close of the comment period, and after the public hearing, the Director will issue a final permit decision and forward a copy of the final decision to the applicant and each person who has submitted written comments, provided oral testimony, or requested notice. Within thirty (30) days 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 Rule 49 of the Regulations for the Rhode Island Pollutant Discharge Elimination System.

V. **DEM Contact**

Additional information concerning the permit may be obtained between the hours of 8:30 a.m. and 4:00 p.m., Monday through Friday, excluding holidays from:

Joseph B. Haberek, P.E.  
Department of Environmental Management  
Office of Water Resources  
235 Promenade Street  
Providence, Rhode Island, 02908-5767  
Telephone: (401) 222-4700, extension: 7715

5-1-01  
Date

  
Eric A. Beck, P.E.  
Supervising Engineer  
RIPDES Program  
Office of Water Resources  
Department of Environmental Management



RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-831-5508

January 27, 2000

**CERTIFIED MAIL**

Mr. Russell R. Marcoux  
Town Manager  
Town of Smithfield  
64 Farnum Pike  
Esmond, RI 02917

*DRUG PERMIT*

RE: RIPDES Permit No. RI0100251;  
Smithfield Wastewater Treatment Facility

Dear Mr. Marcoux:

Enclosed is your final Rhode Island Pollutant Discharge Elimination System (RIPDES) Permit issued pursuant to the referenced application. State regulations, promulgated under Chapter 46-12 of the Rhode Island General Laws of 1956, as amended, require this Permit to become effective on the date specified in the Permit. DEM will draft a Consent Agreement with the Town, to provide the Town with interim limits and a schedule for attaining compliance with final permit limits for those limits with which the Town is unable to achieve compliance immediately. There are two (2) alternatives that will permit the DEM to enter into a Consent Agreement: 1) a permit appeal by the Town; or 2) the issuance of an administrative Notice of Violation by DEM. Please be aware that in order to appeal the Permit, you must request an adjudicatory hearing within thirty (30) days of the final Permit decision, pursuant to Rule 49 of the RIPDES Regulations.

In addition, the Rhode Island Water Quality Regulations will be modified in the near future to reflect new guidance from the Environmental Protection Agency regarding the development of ammonia criteria. These modifications will result in minimal changes to the Permit. Specifically, the average monthly discharge limits for ammonia will change to 9.8 mg/l (November-April), 4.4 mg/l (May), and 2.7 mg/l (June-October). These changes will be addressed with a formal modification to the Permit which will be forwarded to the Town in the near future. It is anticipated that the Permit modification will be issued such that any planning and design considerations regarding the new ammonia limits can be addressed in the Consent Agreement.

Also enclosed is a copy of the Department's response to the comments received at the Public Hearing for the Draft RIPDES Permit and information relative to hearing requests and stays of RIPDES Permits.

We appreciate your cooperation throughout the development of this Permit. Should you have any questions concerning this Permit, feel free to contact Jennifer Vickers of the State Permits Staff. She may be reached at 401-222-4700, Extension 7201.

Sincerely,

Eric A. Beck, P.E.  
Supervising Sanitary Engineer

EAB/JMV

Enclosures

pc: EPA Permits Branch, Region I  
 ✓Annie McFarland, DEM  
 Angelo Liberti, DEM (w/o attachments)  
 Warren Towne, DEM (w/o attachments)  
 Al Wait, PSG  
 Steve Richtarik, Beta Engineering

Permit No. RI0100251

Page 1 of 4

## MODIFICATION

AUTHORIZATION TO DISCHARGE UNDER THE  
RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of Chapter 46-12 of the Rhode Island General Laws, as amended, RIPDES Permit No. RI0100251 issued to the Town of Smithfield on January 25, 2000, shall be modified as follows:

- ✓ BOD<sub>5</sub> limits and BOD<sub>5</sub> percent removal requirements and associated footnote on page 2, Part I.A.1. of the Permit shall be deleted and replaced with CBOD limits and percent removals and footnote in Attachment A of this Modification.
- ✓ Ammonia limits on page 4, Part I.A.3. of the Permit shall be deleted and replaced with those in Attachment B of this Modification.
- ✓ Ammonia limits on page 5, Part I.A.4. of the Permit shall be deleted and replaced with those in Attachment C of this Modification.

The remaining effluent limitations, monitoring requirements and other conditions in the original Permit are unchanged and in effect.

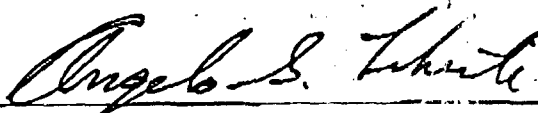
This modification shall become effective on the date of signature.

This permit and the authorization to discharge expire at midnight, March 1, 2005.

This change modifies the permit issued on January 25, 2000.

This modification consists of four (4) pages.

Signed this 9<sup>th</sup> day of August, 2000.



Angelo S. Liberti, Chief of Watersheds and Standards  
Office of Water Resources  
Rhode Island Department of Environmental Management  
Providence, Rhode Island

**ATTACHMENT A**

**PART I**

**A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

1. During the period beginning effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number(s) 001A. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations					Monitoring Requirements	
	Quantity - lbs/day		Concentration - units specified			Measurement Frequency	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Average Weekly	Maximum Daily		
CBOD (May-Oct)	292	496	10 mg/l	15 mg/l	17 mg/l	3/Week	24-hr comp
CBOD (Nov-Apr)	437	729	15 mg/l	25 mg/l	25 mg/l	3/Week	24-hr comp
CBOD % Removal			85 %			1/Month	Calculated

Testing for TSS and CBOD shall be performed and reported on influent and effluent with appropriate allowances for hydraulic detention time. Sampling for TSS shall be performed on Tuesday, Thursday, and either Saturday or Sunday. Two (2) of the CBOD samples shall be taken at the same time as two (2) of the TSS samples. Sampling for Flow and Settleable Solids shall be performed Sunday-Saturday.

Samples taken in compliance with the monitoring requirements specified above shall be taken Monday through Friday at the following location: Outfall 001A.

**ATTACHMENT B**

**PART I**

**A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

3. During the period beginning effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number(s) 001A. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>					<u>Monitoring Requirements</u>	
	<u>Quantity - lbs/day</u>		<u>Concentration - units specified</u>			<u>Measurement Frequency</u>	<u>Sample Type</u>
	<u>Average Monthly</u>	<u>Maximum Daily</u>	<u>Average Monthly</u>	<u>Average Weekly</u>	<u>Maximum Daily</u>		
Ammonia, Total (as N) (Jun-Oct)			2.7 mg/l		18.2 mg/l	3/Week	24-hr comp

Samples taken in compliance with the monitoring requirements specified above shall be taken Monday through Friday at the following location: Outfall 001A.



ATTACHMENT C

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

4. During the period beginning effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number(s) 001A. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations					Monitoring Requirements	
	Quantity - lbs/day		Concentration - units specified			Measurement Frequency	Sample Type
	Average Monthly	Maximum Daily	Average Monthly	Average Weekly	Maximum Daily		
Ammonia, Total (as N) (Nov, Apr, May)			4.4 mg/l		29.1 mg/l	1/Week	24-hr comp
Ammonia, Total (as N) (Dec-Mar)			13.1 mg/l		29.1 mg/l	1/Week	24-hr comp

Samples taken in compliance with the monitoring requirements specified above shall be taken Monday through Friday at the following location:  
Outfall 001A.

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RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
235 PROMENADE STREET  
PROVIDENCE, RHODE ISLAND 02908-5767

FACT SHEET

RHODE ISLAND POLLUTANT DISCHARGE ELIMINATION SYSTEM (RIPDES) PERMIT TO DISCHARGE  
TO WATERS OF THE STATE

RIPDES PERMIT NO. RI0100251

NAME AND ADDRESS OF APPLICANT:

Town of Smithfield  
64 Famum Pike  
Esmond, RI 02917

NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS:

Smithfield Wastewater Treatment Plant  
Esmond Mill Drive  
Esmond, RI 02917

RECEIVING WATER: Woonasquatucket River

CLASSIFICATION: B1

I. Proposed Actions

Modification of ammonia limits in the existing RIPDES permit (signed January 25, 2000), in response to changes in the Rhode Island Water Quality Regulations regarding the calculation of ammonia criteria (Public Notice period March 27, 2000- May 2, 2000). The change in limits and monitoring requirements from BOD<sub>5</sub> to CBOD is in accordance with Federal Regulations, 40 CFR, Part 133.102(a)(4).

II. Permit Limitations and Conditions

The final effluent limitations and monitoring requirements may be found in the draft permit modification. DEM intends to issue an Administrative Enforcement Mechanism subsequent to the permit modification, which may contain interim limitations, interim monitoring requirements and a compliance schedule.

### III. Permit Modification Basis and Explanation of Ammonia Effluent Limitation Derivation

The requirements set forth in this permit modification are from the State's Water Quality Regulations and the State's Regulations for the Rhode Island Pollutant Discharge Elimination System, both filed pursuant to RIGL Chapter 46-12, as amended. The Rhode Island Department of Environmental Management's primary authority over the permit comes from the Environmental Protection Agency's delegation of the program in September, 1984 under the Federal Clean Water Act.

The new ammonia criteria are dependant on both pH and temperature. Since ammonia does not bioaccumulate or accumulate in sediment, seasonal dilution factors were used to determine the appropriate ammonia limitations. The upstream winter 7Q10 river flow of 11.90 cfs was used with the design flow of the Smithfield Wastewater Treatment Facility of 3.5 MGD (5.4 cfs) to yield a dilution factor of 3.20 for the period from November 1 through May 31; and a summer 7Q10 of 5.40 cfs was used to yield a dilution factor of 2.00 for the period from June 1 through October 31.

pH data was obtained from the 1998 Urban Rivers Team Water Quality Survey of the Woonasquatucket River. The upper 90% confidence interval of eight (8) data points for pH was used as a year-round pH value for the Woonasquatucket in the Permit, i.e., pH = 7.9. (Values for pH taken after 12 pm and before 6 am during the two 24-hour surveys included in the Urban Rivers Study were not used in the calculation of the 90% confidence interval.) Data from this study also suggests zero background concentration for ammonia. In calculating the permit limits, because background concentration is known (equals zero), 90% of the remaining assimilative capacity of the receiving water for ammonia was allocated to the discharge.

Ammonia removal is strongly dependant on temperature (nitrification rate decreases as temperature decreases). The upper 90% confidence intervals of the temperature data collected at the USGS Gauge at Centerdale (Woonasquatucket River) were calculated for each month and grouped into two seasons using data collected 1954-1995. The resulting seasonal temperatures, 0-7°C (December-March) and 24°C (April-November), were used with the above pH to determine the applicable ammonia criteria. Note that the minimum temperature for use in the formula for chronic criteria, fish early life stages absent, is 7°C. The new ammonia criteria was used with the corresponding seasonal dilution factor for determining the new ammonia limitations. The winter dilution factor was used with the summer ammonia criteria to calculate the chronic and acute ammonia limits for the months of November, April, and May. Flows in those months are more representative of winter flow and dilution, yet temperatures are closer to that of the summer months. Actual data and resulting ammonia criteria can be found in Attachment A. The Facility's Discharge Monitoring Report data for ammonia (1994-1998) and the new permit limits are also summarized in Attachment A.

Because the new ammonia limits will require nitrification all year, the limits and monitoring requirements for BOD<sub>5</sub> were changed to CBOD at the Town's request and in accordance with Federal Regulations, 40 CFR, Part 133.102(a)(4).

### IV. Comment Period, Hearing Requests, and Procedures for Final Decisions

All persons, including applicants, who believe any condition of the draft permit modification 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 (July 31, 2000), to the Rhode Island Department of Environmental Management, Office of Water Resources, 235 Promenade Street, Providence, Rhode Island, 02908-5767. In reaching a final decision on the draft permit

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modification, the Director will respond to all significant comments and make these responses available to the public at DEM's Providence Office.

Following the close of the comment period (July 31, 2000) and upon conclusion of a public hearing, should one be required, the Director 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 thirty (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 Rule 49 of the Regulations for the Rhode Island Pollutant Discharge Elimination System.


#### V. DEM Contact

Additional information concerning the permit modification may be obtained between the hours of 8:30 a.m. and 4:00 p.m., Monday through Friday, excluding holidays from:

Jennifer M. Vickers  
Department of Environmental Management  
Office of Water Resources  
235 Promenade Street  
Providence, Rhode Island 02908  
Telephone: (401) 222-4700, Extension 7201

6-27-00

Date

  
Eric A. Beck, P.E.  
Supervising Sanitary Engineer  
Office of Water Resources  
Department of Environmental Management

## ATTACHMENT A

National Criterion For Ammonia in Fresh Water

The equation below was used for calculation of new chronic ammonia criteria in the absence of early life stages of fish in the receiving water:

$$CCC = \left( \frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) \times 1.45 \times (10^{0.028 \times (25 - \text{MAX}(T, 7))})$$

The following table lists the variables used in the above equation.

Table 1. Chronic Ammonia Criteria

	pH	Temperature (°C)	New Ammonia Criterion (mg N/L)
December-March	7.9	7	4.54
November, April, May	7.9	24	1.52
June-October	7.9	24	1.52

Table 2. Discharge Monitoring Report (DMR) Data<sup>1</sup> and Proposed Permit Limits

		Monthly Average (mg/L)	Daily Maximum (mg/L)
Ammonia (December-March)	DMR Data <sup>2</sup>	21.1	47.8 <sup>3</sup>
	Limits	13.1	29.1
Ammonia (November, April, May)	DMR Data <sup>2</sup>	18.9	43.7 <sup>3</sup>
	Limits	4.4	29.1
Ammonia (June-October)	DMR Data <sup>2</sup>	19.5	53.5
	Limits	2.7	18.2

## Notes:

- DMR data taken from January 1994 through December 1998.
- Monthly Average and Daily Maximum of DMR data taken as upper 95<sup>th</sup> and 99<sup>th</sup> percentiles, respectively.
- No individual data points exceeded the proposed limit. The upper 99<sup>th</sup> percentile reflects the spread of the data, in this case.