

State of Illinois  
Rod Blagojevich, Governor

Illinois Environmental Protection Agency  
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# Eighteenth Annual Toxic Chemical Report



September 2006



Illinois  
Environmental  
Protection Agency

## EXECUTIVE SUMMARY

Under the federal Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA), affected companies must report “on- and off-site disposal or other releases” to the environment of more than 650 toxic chemicals. The 18<sup>th</sup> *Annual Toxic Chemical Report* documents reported releases of toxic chemicals in Illinois for calendar year 2004, the most recent data available.

In 2004, 1,215 facilities in Illinois reported toxic chemical releases of 135,002,481 pounds, which is the 9<sup>th</sup> largest amount among states. ***The most common type of release was air emissions, accounting for approximately 39 percent of reported releases.*** The top five Illinois counties for reported toxic releases were: 1. Peoria 2. Cook 3. Madison 4. Tazewell 5. Montgomery.

Total releases in 2004 increased slightly from 131,778,756 pounds reported for 2003. There have been substantial reductions in Illinois and nationally since reporting began in 1988. Although it is difficult to compare annual data because of changes to the reporting requirements over the years, the downward trend in releases is apparent. For example, using a 1988 baseline, which only includes the chemicals and industries that were subject to reporting in 1988, releases in Illinois have declined from nearly 130 million pounds in 1988 to about 60 million pounds in 2004.

Using a 1998 baseline, which includes chemicals and industries added to the reporting requirements from 1988 through 1998, releases declined from approximately 165 million pounds in 1998 to 135 million pounds annually in 2004.

In assessing this data, it is important to understand what counts as a “release” under EPCRA. For example, toxic chemicals that are treated in certain ways, recycled or used to make energy are not counted as released to the environment.

Understanding the limitations of this data is also important. For example, although EPCRA captures most of the toxic chemicals currently being used by covered industry sectors, it does not cover all chemicals or all sectors. Facilities that do not meet the reporting threshold levels are not required to report, and the toxic release data does not include emissions from mobile sources nor releases of pesticides, volatile organic compounds, and fertilizers from many other non-industrial sources.

In addition, release estimates alone are not sufficient to determine human exposure or to calculate potential adverse effects on human health and the environment. Additional information is necessary to assess exposure and risk, although toxic release data can be used to identify areas of potential concern.

***The data in this report was compiled by the U.S. EPA based on Toxic Release Inventory reports received as of November 18, 2005.***

***Data on every county in Illinois is available from the U.S. Environmental Protection Agency at [www.epa.gov/tri](http://www.epa.gov/tri) or at 202-566-0250.***

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# INTRODUCTION

## About the Toxics Release Inventory (TRI)

In 1986, Congress created the Emergency Planning and Community Right-to-Know Act (EPCRA), which requires certain companies to annually report releases or transfers of more than 650 listed toxic chemicals. The U.S. Environmental Protection Agency (USEPA) compiles these reports into the Toxics Release Inventory (TRI), which provides local, state and national data. This *18<sup>th</sup> Annual Toxic Chemical Report* is based on the most recent TRI data provided by U.S. EPA.

Chemicals that must be reported under EPCRA are referred to as “TRI Chemicals” in this report. Over the years, the number of facilities required to report has increased as industries and chemicals were added to the reporting requirements. In addition, the threshold levels for reporting certain chemicals have also changed. As explained below, this can make it difficult to compare year-to-year data.

## What is a Toxic Chemical Release?

Companies use either the Form R or Form A (for companies with smaller amounts of reportable chemicals) to report “on- and off-site disposal or other releases” to the environment of more than 650 chemicals. This reporting includes all routine and non-routine releases of toxic chemicals to the air, water and land. However, when chemicals are treated, recycled, or used to make energy, they are often not counted as being disposed of or released to the environment. Affected companies must also report transfers of wastes to off-site treatment, storage and disposal facilities. The information that companies report is not necessarily derived from actual monitoring or measurements, but may be estimated from published emission factors, material balance calculations, or engineering calculations.

## The following constitutes “disposal or other releases:”

**“Air Emissions”** – Releases to air are reported either as point source or fugitive emissions. Point source emissions occur through confined air streams, such as stacks, vents, ducts, or pipes. Fugitive emissions are all releases to the air that are not released through a confined air stream, including equipment leaks, evaporative losses from surface impoundments and spills, and releases from building ventilation systems.

**“Surface Water Discharge”** – Releases to water include discharges to streams, rivers, lakes, oceans, and other bodies of water. This includes releases from contained sources, such as industrial process outflow pipes or open trenches. Releases due to runoff, including storm water runoff, are also reportable to TRI.

**“Underground Injection”** - Underground injection is the subsurface emplacement of fluids through wells. TRI chemicals associated with manufacturing, the petroleum industry, mining, commercial and service industries, and federal and municipal government-related activities may be injected into Class I, II, III, IV, or V wells, if they do not endanger underground sources of drinking water, public health, or the environment.

**“RCRA Subtitle C Landfill”**- The amount of toxic chemicals released to a landfill permitted under Subtitle C of the federal Resource Conservation and Recovery Act (RCRA).

**“Other Land Releases”** – Releases to land occur within the boundaries of the reporting facility. Releases to land include disposal in landfills (in which wastes are buried), land treatment/application farming (in which a waste containing a listed chemical is applied to or incorporated into soil), surface

impoundments (which are uncovered holding areas used to volatilize and/or settle waste materials), and other land disposal methods (such as waste piles) or releases to land (such as spills or leak). Beginning with the 1996 reporting year, facilities separately report amounts released to RCRA subtitle C landfills from amounts released to other on-site landfills.

### ***Limitations on Use of Information***

TRI reports reflect releases, transfers and waste management activities of chemicals, not exposures of the public to those chemicals. Release estimates alone are not sufficient to determine exposure or to calculate potential adverse effects on human health and the environment. Although additional information is necessary to assess exposure and risk, TRI data can be used to identify areas of potential concern. TRI, in conjunction with other information, can be used as a starting point in evaluating exposures that may result from releases and other waste management activities of toxic chemicals. The determination of potential risk depends upon many factors, including the toxicity of the chemical, the fate of the chemical after it is released, the locality of the release, and the human or other populations that are exposed to the chemical after its release.

Even with the expanded industry coverage, TRI does not address all sources of releases and other waste management activities. Although TRI is successful in capturing information on a significant portion of toxic chemicals currently being used by covered industry sectors, it does not cover all chemicals or all sectors. In addition, facilities that do not meet the TRI threshold levels are not required to report. TRI data does not include toxic emissions from mobile sources, nor releases of pesticides, volatile organic compounds, and fertilizers from many other non-industrial sources.

Furthermore, facilities only report estimated data, and EPCRA does not mandate that they monitor their releases. Variations between facilities can result from the use of different estimation methods.

## **ILLINOIS TOXIC RELEASE TRENDS**

### ***How to Compare Data Across Years***

As the tables below demonstrate, there has been a general downward trend in toxic chemical release since 1988. However, because of changes to the TRI reporting requirements over the years, it is difficult to compare annual data. Industries and chemicals have been added to the reporting requirements since 1988, and the threshold levels for reporting certain chemicals have also changed.

In order to compare “apples-to-apples,” the trends assessments shown below only include chemicals and industries subject to reporting since the baseline year. This means that the total releases shown for any given year will vary between these trends assessments.

**Trends: 1988-2004**

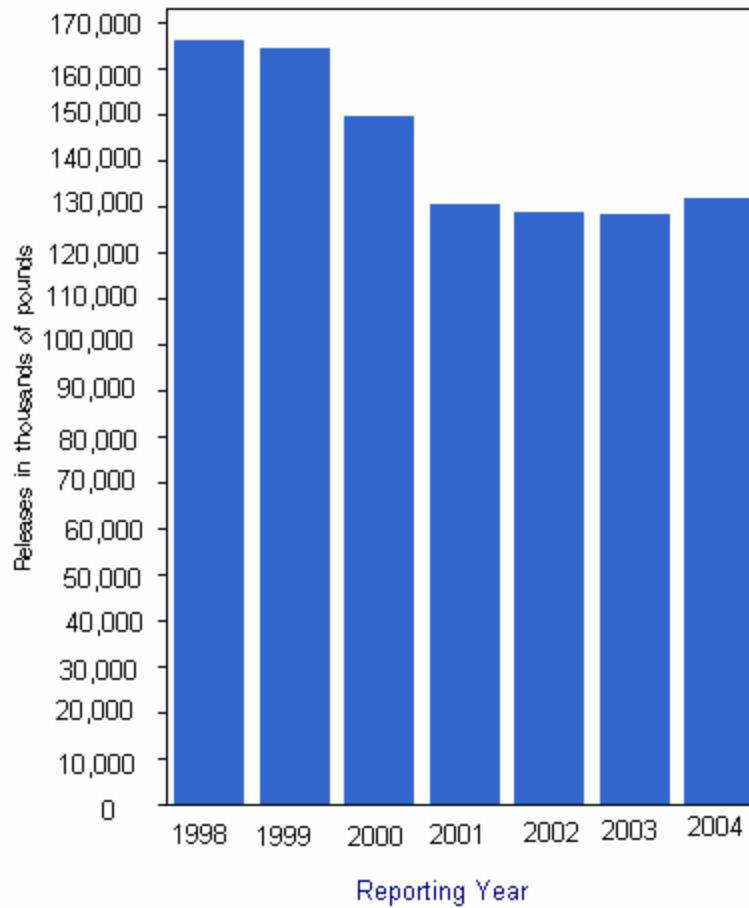
**Table 1: 2001-2004 On- and Off-Site Disposal and Other Reported TRI Releases for Illinois\* - (2001 Baseline)**

	<b>Releases (pounds)</b>	<b>State Rank</b>
2001	134,869,220	12th
2002	134,150,927 **	12th
2003	131,778,756 **	9th
2004	135,002,481	9th

\*Includes all chemicals and all industries reporting for 2001, 2002, 2003 and 2004.

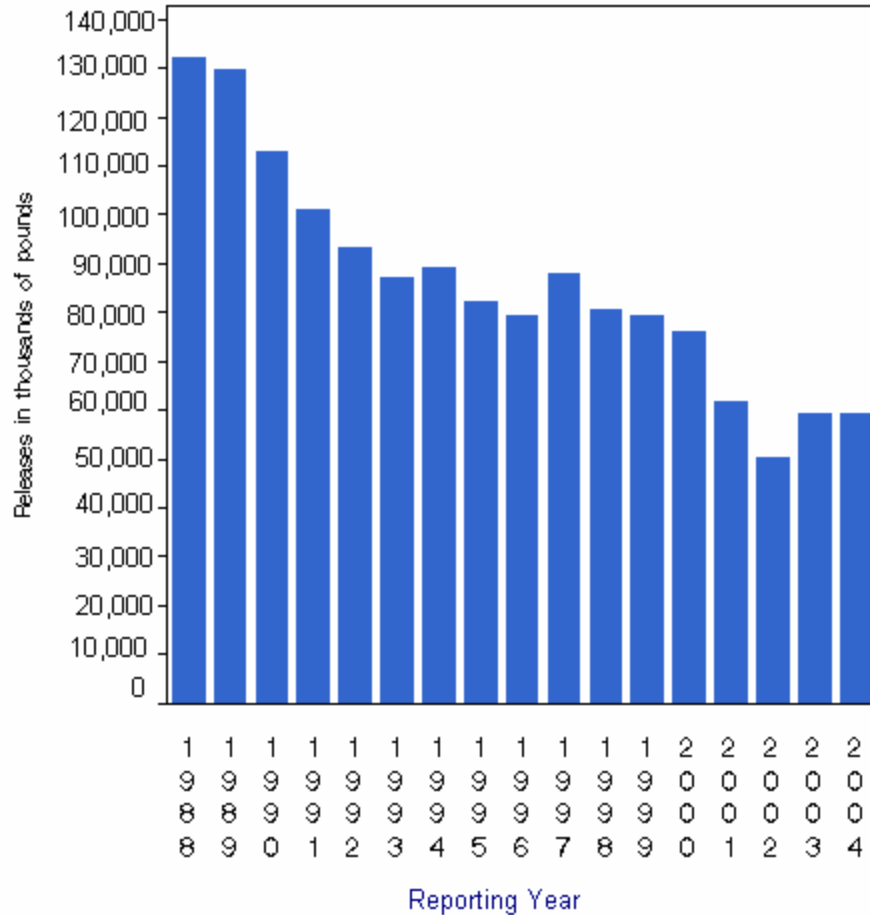
\*\*2001, 2002 and 2003 data has been updated and revised from what was reported in the *17th Annual Toxic Chemical Report*.

**Table 2: 1998 - 2004 On- and Off-Site Disposal and Other Reported TRI Releases for Illinois: 1998 Baseline**



Data for all reporting industries, by SIC code, and is available from the U.S. Environmental Protection Agency at [www.epa.gov/tri](http://www.epa.gov/tri) or at 202-566-0250

**Table 3: 1988 - 2004 On- and Off-Site Disposal and Other Reported TRI Releases for Illinois: 1988 Baseline (only SIC codes 20 - 39)**



## 2004 TOXIC CHEMICAL RELEASES

For Calendar year 2004, 135 million pounds of TRI chemicals were reported as released to the environment in Illinois. 1,215 facilities submitted TRI reports. ***The most common type of release was air emissions, accounting for approximately 39 percent of reported releases.***

The following Tables identify the Top 10 counties and facilities for 2004 TRI chemical releases in Illinois.

Data for all reporting industries, by SIC code, and is available from the U.S. Environmental Protection Agency at [www.epa.gov/tri](http://www.epa.gov/tri) or at 202-566-0250

**Table 4: Top 10 Counties  
Total Fugitive and Point Source Air Emissions (in pounds)  
of TRI Chemicals – 2004 – Illinois**

	<b>County</b>	<b>Total Fugitive and Point Source Air Emissions</b>
1	VERMILION	6,028,509
2	COOK	5,322,812
3	PEORIA	4,712,580
4	MONTGOMERY	4,525,801
5	MACON	4,298,822
6	WILL	3,291,428
7	MADISON	1,887,358
8	JO DAVIESS	1,612,264
9	GRUNDY	1,485,535
10	CHRISTIAN	1,237,552
	<b>All Reported IL Counties</b>	<b>53,057,354</b>

**Table 5: Top 10 Counties  
Total Disposal, Treatment Impoundment & Underground Injections (in pounds)  
of TRI Chemicals – 2004 - Illinois**

	<b>County</b>	
1	Peoria	30,137,528
2	Madison	9,253,234
3	Tazwell	6,358,617
4	Whiteside	4,754,259
5	LaSalle	2,799,378
6	Macon	1,818,866
7	Winnebago	1,791,644
8	Christian	1,786,179
9	St. Clair	1,774,683
10	Cook	1,204,614



**Table 6: Top 10 Counties  
Total Surface Water Discharges (in pounds)  
of TRI Chemicals – 2004 – Illinois**

	<b>County</b>	<b>Total Surface Water Discharges</b>
1	ROCK ISLAND	2,430,837
2	CASS	1,747,343
3	TAZEWELL	1,525,245
4	WILL	1,097,835
5	MADISON	707,033
6	RANDOLPH	59,516
7	JO DAVIES	40,053
8	MASON	35,960
9	LA SALLE	34,931
10	CRAWFORD	21,083
	<b>All Reported IL Counties</b>	<b>7,797,687</b>


**Table 7: Top 10 Facilities  
Total Fugitive and Point Source Air Emissions (in pounds)  
Of TRI Chemicals – 2004 – Illinois**

	<b>Facility</b>	<b>Total Fugitive and Point Source Air Emissions</b>
1	AMEREN ENERGY GENERATING COFFEEN POWER STATION, MONTGOMERY	4,518,740
2	ADM, MACON	3,898,582
3	TEEPAK LLC, VERMILION	3,745,365
4	AMEREN ENERGY RESOURCES GENERATING CO., PEORIA	2,834,218
5	CONOCOPHILLIPS WOOD RIVER REFINERY, MADISON	1,295,887
6	CORN PRODUCTS ARGO PLANT, COOK	1,226,849
7	ROYSTER-CLARK NITROGEN, JO DAVIESS	1,611,479
8	VERMILION POWER STATION, VERMILION	1,167,819
9	DYNEGY MIDWEST GENERATION INC BALDWIN ENERGY COMPLEX, RANDOLPH	1,000,361
10	CITY WATER LIGHT & POWER CITY OF SPRINGFIELD, SANGAMON	910,409

**Table 9: Top 10 Facilities  
Total Surface Water Discharges (in pounds)  
of TRI Chemicals – 2004 – Illinois**

	<b>Facility</b>	<b>Total Surface Water Discharges</b>
1	TYSON FREST MEATS INC JOSLIN IL, <i>ROCK ISLAND</i>	2,414,102
2	CARGILL MEAT SOLUTIONS CORP, CASS	1,747,343
3	AVENTINE RENEWABLE ENERGY INC, <i>TAZWELL</i>	1,476,449
4	EXXONMOBIL OIL CORP JOLIET REFINERY, <i>WILL</i>	889,223
5	UNITED STATES STEEL CORP GRANITE CITY STEEL, <i>MADISON</i>	350,422
6	CONOCOPHILLIPS WOOD RIVER REFINERY, <i>MADISON</i>	260,012
7	PDV MIDWEST REFINING L.L.C. LEMONT REFINERY, <i>WILL</i>	92,008
8	FLINT HILLS RESOURCES LP – JOLIET PLANT, <i>WILL</i>	77,458
9	DYNEGY WOOD RIVER POWER STATION, <i>MADISON</i>	67,132
10	DYNEGY MIDWEST GENERATION INC BALDWIN ENERGY COMPLEX, <i>RANDOLPH</i>	59,516

Data for all reporting industries, by SIC code, and is available from the U.S. Environmental Protection Agency at [www.epa.gov/tri](http://www.epa.gov/tri) or at 202-566-0250

 <b>FORM R</b> Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also Known as Title III of the Superfund Amendments and Reauthorization Act		TRI Facility ID Number	
		Toxic Chemical, Category or Generic Name	
WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center P. O. Box 1513 Lanham, MD 20703-1513 ATTN: TOXIC CHEMICAL RELEASE INVENTORY		2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)	
		Enter "X" here if this is a revision For EPA use only	
<b>IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.</b>			
<b>PART 1. FACILITY IDENTIFICATION INFORMATION</b>			
<b>SECTION 1. REPORTING YEAR</b> _____			
<b>SECTION 2. TRADE SECRET INFORMATION</b>			
2.1 Are you claiming the toxic chemical identified on page 2 trade secret? <input type="checkbox"/> Yes (Answer question 2.2; Attach substantiation forms)		2.2 Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized (Answer only if "YES" in 2.1)	
<input type="checkbox"/> No (Do not answer 2.2; Go to Section 3)			
<b>SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)</b>			
I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.			
Name and official title of owner/operator or senior management official:		Signature:	Date Signed:
<b>SECTION 4. FACILITY IDENTIFICATION</b>			
4.1		TRI Facility ID Number	
Facility or Establishment Name		Facility or Establishment Name or Mailing Address (If different from street address)	
Street		Mailing Address	
City/County/State/Zip Code		City/State/Zip Code	Country (Non-US)
4.2		This report contains information for: Important: Check a or b; check c or d if applicable) a. <input type="checkbox"/> An entire facility b. <input type="checkbox"/> Part of a facility c. <input type="checkbox"/> A Federal facility d. <input type="checkbox"/> GOCO	
4.3		Technical Contact Name _____ Telephone Number (include area code) _____ Email Address _____	
4.4		Public Contact Name _____ Telephone Number (include area code) _____	
4.5		SIC Code (s) (4 digits) Primary _____ a. _____ b. _____ c. _____ d. _____ e. _____ f. _____	
4.7		Dun & Bradstreet Number (s) (9 digits) a. _____ b. _____	
<b>SECTION 5. PARENT COMPANY INFORMATION</b>			
5.1		Name of Parent Company NA <input type="checkbox"/>	
5.2		Parent Company's Dun & Bradstreet Number NA <input type="checkbox"/>	

# FORM R

## PART II. TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

TRI Facility ID Number
Toxic Chemical, Category or Generic Name

### SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)																	
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)																	
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)																	
1.4	<b>Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.</b> (If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)																	
NA	<input type="checkbox"/>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

### SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces and punctuation.)
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### SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

<b>3.1</b> Manufacture the toxic chemical:	<b>3.2</b> Process the toxic chemical:	<b>3.3</b> Otherwise use the toxic chemical:
a. <input type="checkbox"/> Produce    b. <input type="checkbox"/> Import If produce or import c. <input type="checkbox"/> For on-site use/processing d. <input type="checkbox"/> For sale/distribution e. <input type="checkbox"/> As a byproduct f. <input type="checkbox"/> As an impurity	a. <input type="checkbox"/> As a reactant b. <input type="checkbox"/> As a formulation component c. <input type="checkbox"/> As an article component d. <input type="checkbox"/> Repackaging e. <input type="checkbox"/> As an impurity	a. <input type="checkbox"/> As a chemical processing aid b. <input type="checkbox"/> As a manufacturing aid c. <input type="checkbox"/> Ancillary or other use

### SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	<input type="text"/> (Enter two digit code from instruction package.)
-----	---

### SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

	A. Total Release (pounds/year*) (Enter a range code** or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	NA <input type="checkbox"/>		
5.2 Stack or point air emissions	NA <input type="checkbox"/>		
5.3 Discharges to receiving streams or water bodies (enter one name per box)			
Stream or Water Body Name			
5.3.1			
5.3.2			
5.3.3			

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box  and indicate the Part II, Section 5.3 page number in this box.  (example: 1,2,3, etc.)

# FORM R

## PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

Toxic Chemical, Category or Generic Name

### SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (continued)

	NA	A. Total Release (pounds/year*) (enter range code ** or estimate)	B. Basis of Estimate (enter code)
5.4.1 Underground Injection onsite to Class I Wells	<input type="checkbox"/>		
5.4.2 Underground Injection onsite to Class II-V Wells	<input type="checkbox"/>		
5.5 Disposal to land onsite			
5.5.1A RCRA Subtitle C landfills	<input type="checkbox"/>		
5.5.1B Other landfills	<input type="checkbox"/>		
5.5.2 Land treatment/application farming	<input type="checkbox"/>		
5.5.3A RCRA Subtitle C surface impoundments	<input type="checkbox"/>		
5.5.3B Other surface impoundments	<input type="checkbox"/>		
5.5.4 Other disposal	<input type="checkbox"/>		

### SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

#### 6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

##### 6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year*) (enter range code ** or estimate)	6.1.A.2 Basis of Estimate (enter code)

6.1.B  POTW Name

POTW Address

City  State  County  Zip

6.1.B  POTW Name

POTW Address

City  State  County  Zip

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box  and indicate the Part II, Section 6.1 page number in this box  (example: 1,2,3, etc.)

#### SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.  Off-Site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Off-Site Address

City  State  County  Zip  Country (Non-US)

Is location under control of reporting facility or parent company?  Yes  No

<b>FORM R</b> <b>PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)</b>	TRI Facility ID Number  
	Toxic Chemical, Category or Generic Name  

**SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (CONTINUED)**

A. Total Transfers (pounds/year*) (enter range code**or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
4.	4.	4. M

6.2 \_\_\_\_\_ Off-Site EPA Identification Number (RCRA ID No.)

Off-Site Location Name \_\_\_\_\_

Off-Site Address \_\_\_\_\_

City	State	County	Zip	Country (Non-US)
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Is location under control of reporting facility or parent company? Yes  No

A. Total Transfers (pounds/year*) (enter range code**or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1. M
2.	2.	2. M
3.	3.	3. M
4.	4.	4. M

**SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY**

Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream [enter code]	b. Waste Treatment Method(s) Sequence [enter 3- or 4- character code(s)]				d. Waste Treatment Efficiency [enter 2 character code]
<b>7A.1a</b>	<b>7A.1b</b>	1	2		<b>7A.1d</b>
	3	4	5		
	6	7	8		
<b>7A.2a</b>	<b>7A.2b</b>	1	2		<b>7A.2d</b>
	3	4	5		
	6	7	8		
<b>7A.3a</b>	<b>7A.3b</b>	1	2		<b>7A.3d</b>
	3	4	5		
	6	7	8		
<b>7A.4a</b>	<b>7A.4b</b>	1	2		<b>7A.4d</b>
	3	4	5		
	6	7	8		
<b>7A.5a</b>	<b>7A.5b</b>	1	2		<b>7A.5d</b>
	3	4	5		
	6	7	8		

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box  and indicate the Part II, Section 6.2/7 page number in this box:  (example: 1,2,3,etc.)

EPA Form 9350 -1 (Rev. 08/2005) - Previous editions are obsolete. \*\*For Dioxin or Dioxin-like compounds, report in grams/year  
\*\*Range Codes: A=1 - 10 pounds; B=11 - 499 pounds C= 500-999 pounds.



# FORM R

## PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

Toxic Chemical, Category or Generic Name

### SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1  2  3

### SECTION 7C. ON-SITE RECYCLING PROCESSES

Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1  2  3

### SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
<b>8.1</b>					
<b>8.1a</b>	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills				
<b>8.1b</b>	Total other on-site disposal or other releases				
<b>8.1c</b>	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills				
<b>8.1d</b>	Total other off-site disposal or other releases				
<b>8.2</b>	Quantity used for energy recovery onsite				
<b>8.3</b>	Quantity used for energy recovery offsite				
<b>8.4</b>	Quantity recycled onsite				
<b>8.5</b>	Quantity recycled offsite				
<b>8.6</b>	Quantity treated onsite				
<b>8.7</b>	Quantity treated offsite				
<b>8.8</b>	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)*				
<b>8.9</b>	Production ratio or activity index				
<b>8.10</b>	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.				
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)			
<b>8.10.1</b>		a.	b.	c.	
<b>8.10.2</b>		a.	b.	c.	
<b>8.10.3</b>		a.	b.	c.	
<b>8.10.4</b>		a.	b.	c.	
<b>8.11</b>	If you wish to submit additional optional information on source reduction, recycling, or pollution control activities, check "Yes."				Yes <input type="checkbox"/>