


|   |  |  |  |  |
|---|--|--|--|--|
| <br><b>EPA</b><br>United States<br>Environmental Protection Agency   | <b>FORM R</b>  |  | TRI Facility ID Number                   |  |
|   | Section 313 of the Emergency Planning and Community<br>Right-to-Know Act of 1986, also Known as Title III of the<br>Superfund Amendments and Reauthorization Act |  | Toxic Chemical, Category or Generic Name |  |
|   |  |  |  |  |
| <b>WHERE TO SEND COMPLETED FORMS:</b> 1. TRI Data Processing Center<br>P. O. Box 1513<br>Lanham, MD 20703-1513  |  |  |  |  |
| 2. APPROPRIATE STATE OFFICE<br>(See instructions in Appendix E)   |  |  |  |  |
| This section only applies if you are<br>revising or withdrawing a previously<br>submitted form, otherwise leave blank.  |  | <b>Revision (enter up to two code(s))</b><br><input type="text"/> <input type="text"/> |  | <b>Withdrawal (enter up to two code(s))</b><br><input type="text"/> <input type="text"/>   |
| <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>  |  |  |  |  |
| <b>2.1</b> Are you claiming the toxic chemical identified on page 2 trade secret?<br><input type="checkbox"/> Yes (Answer question 2.2;<br>Attach substantiation forms)   |  | <input type="checkbox"/> No (Do not answer 2.2;<br>Go to Section 3)                    |  | <b>2.2</b> Is this copy <input type="checkbox"/> Sanitized <input type="checkbox"/> Unsanitized<br>(Answer only if "YES" in 2.1) |
| <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>   |  |  |  |  |
| <b>4.1</b>  |  |  | 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)   |
| <b>4.2</b> This report contains information for:<br>(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                       |  |  |  |  |
| <b>4.3</b> Technical Contact Name   |  | Telephone Number (include area code)   |  |  |
| Email Address   |  |  |  |  |
| <b>4.4</b> Public Contact Name  |  | Telephone Number (include area code)   |  |  |
| Email Address   |  |  |  |  |
| <b>4.5</b> NAICS Code (s) (6 digits)  |  | Primary  |  |  |
|   |  | a.   | b.                                       | c.   |
|   |  | d.   | e.                                       | f.   |
| <b>4.6</b> Dun & Bradstreet Number (s) (9 digits)   |  | a.   |  |  |
|   |  | b.   |  |  |
| <b>SECTION 5. PARENT COMPANY INFORMATION</b>  |  |  |  |  |
| <b>5.1</b> Name of Parent Company   |  | NA <input type="checkbox"/>  |  |  |
| <b>5.2</b> Parent Company's Dun & Bradstreet Number   |  | NA <input type="checkbox"/>  |  |  |

|   |  |
|---|--|
| <h1 style="margin: 0;">FORM R</h1> <p style="margin: 0;">PART II. TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM</p> | TRI Facility ID Number<br><br>Toxic Chemical, Category or Generic Name |
|---|--|

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

|            |  |
|------------|--|
| <b>1.1</b> | CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) |
| <b>1.2</b> | Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)                           |
| <b>1.3</b> | Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)           |

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

|            |   |
|------------|---|
| <b>2.1</b> | Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces and punctuation.) |
|------------|---|

**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<br>If produce or import<br>c. <input type="checkbox"/> For on-site use/processing<br>d. <input type="checkbox"/> For sale/distribution<br>e. <input type="checkbox"/> As a byproduct<br>f. <input type="checkbox"/> As an impurity | a. <input type="checkbox"/> As a reactant<br>b. <input type="checkbox"/> As a formulation component<br>c. <input type="checkbox"/> As an article component<br>d. <input type="checkbox"/> Repackaging<br>e. <input type="checkbox"/> As an impurity | a. <input type="checkbox"/> As a chemical processing aid<br>b. <input type="checkbox"/> As a manufacturing aid<br>c. <input type="checkbox"/> Ancillary or other use |

**SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR**

|            |   |
|------------|---|
| <b>4.1</b> | <input style="width: 100px;" 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*)<br>(Enter a range code** or estimate) | B. Basis of Estimate<br>(enter code) | C. % From Stormwater |
|---------------------------|--|-----------------------------|---|--------------------------------------|----------------------|
| <b>5.1</b>                | Fugitive or non-point air emissions                                      | NA <input type="checkbox"/> |   |                                      |                      |
| <b>5.2</b>                | Stack or point air emissions   | NA <input type="checkbox"/> |   |                                      |                      |
| <b>5.3</b>                | Discharges to receiving streams or water bodies (enter one name per box) |                             |   |                                      |                      |
| Stream or Water Body Name |  |                             |   |                                      |                      |
| <b>5.3.1</b>              |  |                             |   |                                      |                      |
| <b>5.3.2</b>              |  |                             |   |                                      |                      |
| <b>5.3.3</b>              |  |                             |   |                                      |                      |

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 ON SITE (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) |
| <input type="text"/>   | <input type="text"/>                   |

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><br><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*)<br>(enter range code**or estimate) | B. Basis of Estimate<br>(enter code) | C. Type of Waste Treatment/Disposal/<br>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) |
|------|-------|--------|-----|------------------|

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

| A. Total Transfers (pounds/year*)<br>(enter range code**or estimate) | B. Basis of Estimate<br>(enter code) | C. Type of Waste Treatment/Disposal/<br>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.)

# 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<br>Prior Year<br>(pounds/year*)   | Column B<br>Current Reporting Year<br>(pounds/year*) | Column C<br>Following Year<br>(pounds/year*) | Column D<br>Second Following Year<br>(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<br>[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<br><input type="checkbox"/>                     |