FORM R
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

WHERE TO SEND COMPLETED FORMS:

1. TRI Data Processing Center
   P. O. Box 1513
   Lanham, MD 20703-1513
   Enter “X” here if this is a revision

2. APPROPRIATE STATE OFFICE
   (See instructions in Appendix F)
   For EPA use only

ATTN: TOXIC CHEMICAL RELEASE INVENTORY

IMPORTANT: See instructions to determine when “Not Applicable (NA)” boxes should be checked.

PART 1. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?

   Yes (Answer question 2.2; Attach substantiation forms)

   No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy

   Sanitized

   Unsanitized

   (Answer only if “YES” in 2.1)

SECTION 3. CERTIFICATION

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: __________________________

SECTION 4. FACILITY IDENTIFICATION

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

Country (Non-US)

4.2 This report contains information for:

   a. An entire facility
   b. Part of a facility
   c. A Federal facility
   d. GOCO

4.3 Technical Contact Name

   Email Address

4.4 Public Contact Name

   Telephone Number (include area code)

4.5 SIC Code(s) (4 digits)

   a. __________________________
   b. __________________________
   c. __________________________
   d. __________________________
   e. __________________________
   f. __________________________

4.6 Latitude

   Degrees __________________________
   Minutes __________________________
   Seconds __________________________

   Longitude __________________________

4.7 Dun & Bradstreet Number(s) (9 digits)

   a. __________________________
   b. __________________________

   EPA Identification Number (RCRA ID No.) (12 characters)

   4.8 __________________________

   Facility NPDES Permit Number(s) (9 characters)

   4.9 __________________________

   Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)

   4.10 __________________________

   a. __________________________
   b. __________________________
   c. __________________________

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company

   NA

5.2 Parent Company’s Dun & Bradstreet Number

   NA

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## FORM R
### PART II. TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

### 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 1, Section 2.1 is checked “yes”. Generic Name must be structurally descriptive.)

1.4 **Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.**

(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.)

<p>| | | | | | | | | | | | | | | | | |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
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<tr>
<td>NA</td>
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</tr>
</tbody>
</table>

### 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.)

### SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 **Manufacture the toxic chemical:**

- [ ] Produce
- [ ] Import

3.2 **Process the toxic chemical:**

- [ ] As a reactant
- [ ] As a formulation component
- [ ] As an article component
- [ ] Repackaging
- [ ] As an impurity

3.3 **Otherwise use the toxic chemical:**

- [ ] As a chemical processing aid
- [ ] As a manufacturing aid
- [ ] Ancillary or other use

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

4.1 (Enter two digit code from instruction package.)

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

<table>
<thead>
<tr>
<th></th>
<th>A. Total Release (pounds/year*) (Enter a range code** or estimate)</th>
<th>B. Basis of Estimate (enter code)</th>
<th>C. % From Stormwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1</td>
<td>Fugitive or non-point air emissions</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>5.2</td>
<td>Stack or point air emissions</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>5.3</td>
<td>Discharges to receiving streams or water bodies (enter one name per box)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.3.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.3.2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.3.3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.)

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*For Dioxin or Dioxin-like compounds, report in grams/year.

** Range Codes: A= 1-10 pounds; B= 11-499 pounds; C= 500-999 pounds.

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

<table>
<thead>
<tr>
<th>NA</th>
<th>A. Total Release (pounds/year*)</th>
<th>B. Basis of Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.4.1</td>
<td>Underground Injection onsite to Class I Wells</td>
<td></td>
</tr>
<tr>
<td>5.4.2</td>
<td>Underground Injection onsite to Class II-V Wells</td>
<td></td>
</tr>
<tr>
<td>5.5</td>
<td>Disposal to land onsite</td>
<td></td>
</tr>
<tr>
<td>5.5.1A</td>
<td>RCRA Subtitle C landfills</td>
<td></td>
</tr>
<tr>
<td>5.5.1B</td>
<td>Other landfills</td>
<td></td>
</tr>
<tr>
<td>5.5.2</td>
<td>Land treatment/application farming</td>
<td></td>
</tr>
<tr>
<td>5.5.3A</td>
<td>RCRA Subtitle C surface impoundments</td>
<td></td>
</tr>
<tr>
<td>5.5.3B</td>
<td>Other surface impoundments</td>
<td></td>
</tr>
<tr>
<td>5.5.4</td>
<td>Other disposal</td>
<td></td>
</tr>
</tbody>
</table>

## 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.)

### 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

---

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A=1-10 pounds; B=11-499 pounds; C=500 - 999 pounds.
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Please do not copy double-sided!
### SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (CONTINUED)

<table>
<thead>
<tr>
<th>A. Total Transfers (pounds/year*)</th>
<th>B. Basis of Estimate (enter code)</th>
<th>C. Type of Waste Treatment/Disposal/Recycling/Energy Recovery (enter code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>1.</td>
<td>1. M</td>
</tr>
<tr>
<td>2.</td>
<td>2.</td>
<td>2. M</td>
</tr>
<tr>
<td>3.</td>
<td>3.</td>
<td>3. M</td>
</tr>
<tr>
<td>4.</td>
<td>4.</td>
<td>4. M</td>
</tr>
</tbody>
</table>

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

Off-Site Location Name

City

State

County

Zip

Country [Non-US]

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

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

Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

<table>
<thead>
<tr>
<th>a. General Waste Stream (enter code)</th>
<th>b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]</th>
<th>c. Range of Influent Concentration</th>
<th>d. Waste Treatment Efficiency Estimate</th>
<th>e. Based on Operating Data?</th>
</tr>
</thead>
<tbody>
<tr>
<td>7A.1a</td>
<td>7A.1b</td>
<td>1</td>
<td>2</td>
<td>7A.1e</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>5</td>
<td>8</td>
<td>%</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td></td>
<td></td>
<td>Yes [ ] No [ ]</td>
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<tr>
<td>7A.2a</td>
<td>7A.2b</td>
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<td>2</td>
<td>7A.2e</td>
</tr>
<tr>
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<td>5</td>
<td>8</td>
<td>%</td>
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<tr>
<td>6</td>
<td>7</td>
<td></td>
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<td>Yes [ ] No [ ]</td>
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<tr>
<td>7A.3a</td>
<td>7A.3b</td>
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<td>2</td>
<td>7A.3e</td>
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<td>Yes [ ] No [ ]</td>
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<td>7A.4b</td>
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<td>7A.4e</td>
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<td>Yes [ ] No [ ]</td>
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<td>2</td>
<td>7A.5e</td>
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<td>6</td>
<td>7</td>
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<td></td>
<td>Yes [ ] No [ ]</td>
</tr>
</tbody>
</table>

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.)

*For Dioxin or Dioxin-like compounds, report in grams/year

**Range Codes: A=1 - 10 pounds; B=11 - 499 pounds C= 500-999 pounds.
This side intentionally left blank.

Please do not copy double-sided!
<table>
<thead>
<tr>
<th>Section</th>
<th>Chemical-Specific Information (Continued)</th>
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</thead>
<tbody>
<tr>
<td>PAGE 5</td>
<td></td>
</tr>
</tbody>
</table>

**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  
  - 4  
  - 5  
  - 6  
  - 7  
  - 8  
  - 9  
  - 10  

**SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES**

<table>
<thead>
<tr>
<th>Column A</th>
<th>Column B</th>
<th>Column C</th>
<th>Column D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior Year</td>
<td>Current Reporting Year</td>
<td>Following Year</td>
<td>Second Following Year</td>
</tr>
<tr>
<td>(pounds/year*)</td>
<td>(pounds/year*)</td>
<td>(pounds/year*)</td>
<td>(pounds/year*)</td>
</tr>
</tbody>
</table>

8.1

8.1a Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills

8.1b Total other on-site disposal or other releases

8.1c Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills

8.1d Total other off-site disposal or other releases

8.2 Quantity used for energy recovery onsite

8.3 Quantity used for energy recovery offsite

8.4 Quantity recycled onsite

8.5 Quantity recycled offsite

8.6 Quantity treated onsite

8.7 Quantity treated offsite

8.8 Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year*)

8.9 Production ratio or activity index

8.10 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.

<table>
<thead>
<tr>
<th>Source Reduction Activities [enter code(s)]</th>
<th>Methods to Identify Activity (enter codes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.10.1 a.</td>
<td>b.</td>
</tr>
<tr>
<td>8.10.2 a.</td>
<td>b.</td>
</tr>
<tr>
<td>8.10.3 a.</td>
<td>b.</td>
</tr>
<tr>
<td>8.10.4 a.</td>
<td>b.</td>
</tr>
</tbody>
</table>

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)

- Yes
- No

*For Dioxin or Dioxin-like compounds, report in grams/year
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