Section 13: Blast Furnace and Coke Oven Gases

127. Was this energy source (column) either purchased or consumed in this establishment during 1998?

- **Yes**: Go to question 128
- **No**: Go to next column

128. Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.

Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).

Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.

129. Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 128.

Include all expenditures regardless of when payment was made.

130. Enter total quantity of transfers in and central purchases received in this establishment in 1998.

Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.

Exclude quantities reported in question 128.

131. Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).

Continue to next page
### Section 13: Blast Furnace and Coke Oven Gases, cont.

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>132.</td>
<td>Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.</td>
</tr>
<tr>
<td></td>
<td>Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.</td>
</tr>
<tr>
<td></td>
<td>Include fuel consumed by vehicles intended primarily for use onsite, e.g., forklifts, intra-plant shuttles, loaders and other materials-handling equipment operated solely within the boundaries of the establishment site.</td>
</tr>
<tr>
<td>133.</td>
<td>Enter quantity consumed for any purpose other than fuel use at this establishment in 1998.</td>
</tr>
<tr>
<td></td>
<td>Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.</td>
</tr>
<tr>
<td></td>
<td>Exclude all offsite dispositions such as sales and transfers to other establishments.</td>
</tr>
<tr>
<td>134.</td>
<td>Enter the quantity shipped offsite from this establishment to any other establishment (manufacturing or nonmanufacturing) in 1998.</td>
</tr>
<tr>
<td></td>
<td>Go to question 127, next column</td>
</tr>
<tr>
<td></td>
<td>Go to Section 14, next page</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Census use only</th>
<th>Blast Furnace Gas</th>
<th>Coke Oven Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>060 Million Btu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>070 Million Btu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>080 Million Btu</td>
<td>Go to question 127, next column</td>
<td>Go to Section 14, next page</td>
</tr>
</tbody>
</table>

135. Answer questions 127 through 134 for both energy sources (columns).

< Then go to question 136, Section 14, next page.
Section 14: Agricultural Waste, Pulping or Black Liquor, and Waste Oils & Tars

Note: Report quantities in this section in millions of British thermal units (Btu).

See the conversion factors on page 4 of this questionnaire.

Was this energy source (column) either purchased or consumed in this establishment during 1998?

Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.

Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 137.

Enter total quantity of transfers in and central purchases received in this establishment in 1998.

Continue to next page
Section 14: Agricultural Waste, Pulping or Black Liquor, and Waste Oils & Tars, cont.

140. Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).

90
73
71

Agricultural Waste
Pulping or Black Liquor
Waste Oils and Tars

Million Btu
Million Btu
Million Btu

040

Census use only

141. Does the quantity reported in question 140 represent the product or byproduct of another energy source consumed onsite?

050

19 Yes, product or byproduct

29 No

142. Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.

Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.

060

Million Btu
Million Btu
Million Btu

143. Enter quantity consumed for any purpose other than fuel use at this establishment in 1998.

Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.

Exclude all offsite dispositions such as sales and transfers to other establishments.

070

Million Btu
Million Btu
Million Btu

Go to question 136, next column
Go to question 136, next column
Go to Section 15, next page

144. < Answer questions 136 through 143 for all energy sources (columns).

< Then go to question 145, Section 15, next page.
### Section 15: Wood

**Note:** Report quantities in this section in millions of British thermal units (Btu).

See the conversion factors on page 4 of this questionnaire.

<table>
<thead>
<tr>
<th>Census use only</th>
<th>83</th>
<th>Wood Harvested Directly from Trees (e.g., roundwood, wood chips)</th>
<th>84</th>
<th>Wood Residues and Byproducts from Mill Processing (e.g., sawdust, shavings, slabs, bark)</th>
<th>72</th>
<th>Wood/Paper-related Refuse (e.g., scrap, wastepaper, wood pallets, packing materials)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes</td>
<td>Go to question 146</td>
<td>1</td>
<td>Yes</td>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
<td>Go to next column</td>
<td>2</td>
<td>No</td>
<td>2</td>
<td>No</td>
</tr>
</tbody>
</table>

**145.** Was this energy source (column) either purchased or consumed in this establishment during 1998?

<table>
<thead>
<tr>
<th>000</th>
<th>G0 to question 146</th>
<th>G0 to question 146</th>
<th>Go to question 146</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**146.** Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.

Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).

Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.

**147.** Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 146.

Include all expenditures regardless of when payment was made.

**148.** Enter total quantity of transfers in and central purchases received in this establishment in 1998.

Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.

Exclude quantities reported in question 146.

Continue to next page
### Section 15: Wood, cont.

| Cens-  | 83          | 84            | 72          |
| sus     | Wood       | Wood         | Wood/Paper-related |
| use     | Directly   | Residues     | Refuse      |
| only    | from Trees | and Byproducts|             |

**149.** Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).

| 040 | Million Btu | Million Btu | Million Btu |

**150.** Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.

Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.

Include fuel consumed by vehicles intended primarily for use onsite, e.g., forklifts, intra-plant shuttles, loaders and other materials-handling equipment operated solely within the boundaries of the establishment site.

| 060 | Million Btu | Million Btu | Million Btu |

**151.** Enter quantity consumed for any purpose other than fuel use at this establishment in 1998.

Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.

Exclude all offsite dispositions such as sales and transfers to other establishments.

| 070 | Million Btu | Million Btu | Million Btu |

Go to question 145, next column  Go to question 145, next column  Go to Section 16, next page

**152.**

- Answer questions 145 through 151 for all energy sources (columns).
- Then go to question 153, Section 16, next page.
Are there any other additional energy sources (fuels) purchased or consumed in this establishment in 1998 that have not been listed in previous sections?

Specify the name of any energy source purchased or consumed in this establishment that has not been previously listed.

In addition, specify the units (e.g., gallons, million Btu, cubic feet, etc.) you are using to report this energy source.

Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.

Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).

Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.

Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 155.

Include all expenditures regardless of when payment was made.

Enter total quantity of transfers in and central purchases received in this establishment in 1998.

Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.

Exclude quantities reported in question 155.

Continue to next page
Section 16: Other Energy Sources, cont.

158. Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).

<table>
<thead>
<tr>
<th>91</th>
<th>Other Energy Source # 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Units</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>93</th>
<th>Other Energy Source # 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Units</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>95</th>
<th>Other Energy Source # 3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Units</td>
</tr>
</tbody>
</table>

159. Does the quantity reported in question 158 represent the product or byproduct of another energy source consumed onsite?

<table>
<thead>
<tr>
<th>159</th>
<th>Yes, product or byproduct</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>160</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

160. Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.

Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.

Include fuel consumed by vehicles intended primarily for use onsite, e.g., forklifts, intra-plant shuttles, loaders and other materials-handling equipment operated solely within the boundaries of the establishment site.

161. Enter quantity consumed for any purpose other than fuel use at this establishment in 1998.

Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.

Exclude all offsite dispositions such as sales and transfers to other establishments.

162. Answer questions 153 through 161 for any additional energy sources (columns).

Then go to question 163, Section 17, next page.