### Section 7: Coal

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

<table>
<thead>
<tr>
<th>Column</th>
<th>Energy Source</th>
<th>Yes/No</th>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Anthracite</td>
<td><img src="yes.png" alt="Yes" /></td>
<td>Go to question 90</td>
</tr>
<tr>
<td>41</td>
<td>Bituminous and Subbituminous Coal</td>
<td><img src="yes.png" alt="Yes" /></td>
<td>Go to question 90</td>
</tr>
<tr>
<td>42</td>
<td>Lignite</td>
<td><img src="yes.png" alt="Yes" /></td>
<td>Go to question 90</td>
</tr>
<tr>
<td>000</td>
<td></td>
<td><img src="no.png" alt="No" /></td>
<td>Go to next column</td>
</tr>
</tbody>
</table>

#### 40. 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.

#### 41. Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 90.

Include all expenditures regardless of when payment was made.

#### 42. 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 90.

#### 43. 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 7: Coal, cont.

94. 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.

95. Does this establishment consist of refinery operations only?

96. Enter quantity consumed onsite at the petrochemical plant in 1998 for all nonfuel purposes.

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.

97. Enter the quantity shipped offsite in 1998 from the petrochemical plant to other establishments (manufacturing or nonmanufacturing).

Exclude any quantities transferred between a petroleum refinery and a petrochemical plant if the two are treated (reported) as a single establishment for this survey.

98. Answer questions 89 through 97 for all energy sources (columns).

< Then go to question 99, next page.

Continue to next page
## Section 7: Coal, cont.

### Question 99

Sum the quantities reported for all three types of coal (all columns) in question 94 to provide the total amount of coal consumed as a fuel in this establishment in 1998. (If none, enter zero.)

<table>
<thead>
<tr>
<th>Short Tons</th>
<th>Total Coal</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>46060</td>
</tr>
</tbody>
</table>

Copy this quantity to question 133, column 3, page 34.

Go to question 100, Section 8, next page.
Section 8: Breeze and Coal Coke

Note: Report quantities in this section in short tons. One short ton equals 2,000 pounds.

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

44

Breeze

Yes

9

Go to question 101

43

Coal Coke

Yes

9

Go to question 101

29

No

9

Go to next column

00

29

No

Go to Section 9, page 29

101. Enter quantity purchased by, and delivered to, this establishment during 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.

102. Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 101.

Include all expenditures regardless of when payment was made.

103. Enter total quantity of transfers in and central purchases received in this establishment during 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 101.

104. 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 8: Breeze and Coal Coke, cont.

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

Census use only

<table>
<thead>
<tr>
<th>Breeze</th>
<th>Coal Coke</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

060 Short Tons

061

19 Yes, refinery only

Go to question 109

19 Yes, refinery only

Go to question 109

19 No

Go to question 107

19 No

Go to question 107

106. Does this establishment consist of refinery operations only?

061

19 Yes, refinery only

Go to question 109

19 Yes, refinery only

Go to question 109

19 No

Go to question 107

19 No

Go to question 107

107. Enter quantity consumed onsite at the petrochemical plant in 1998 for all nonfuel purposes.

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

Short Tons

Short Tons

080

Short Tons

Short Tons

Go to question 100, next column

Go to Section 9, next page

108. Enter the quantity shipped offsite in 1998 from the petrochemical plant to other establishments (manufacturing or nonmanufacturing).

Exclude any quantities transferred between a petroleum refinery and a petrochemical plant if the two are treated (reported) as a single establishment for this survey.

109. Answer questions 100 through 108 for both energy sources (columns).

Then go to question 110, Section 9, next page.
Section 9: Hydrogen and Wood Fuel & Wood/Paper Refuse

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

Yes

Go to question 111

No

Go to next column

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

Million Btu

Million Btu

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.

112. Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 111.

U.S. Dollars

U.S. Dollars

Include all expenditures regardless of when payment was made.

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

Million Btu

Million Btu

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 111.

114. 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).

Million Btu

Million Btu

Continue to next page
### Section 9: Hydrogen and Wood Fuel & Wood/Paper Refuse, cont.

<table>
<thead>
<tr>
<th>Question</th>
<th>Hydrogen</th>
<th>Wood Fuel Wood/Paper Refuse</th>
</tr>
</thead>
<tbody>
<tr>
<td>115.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment during 1998.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>060</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Million Btu</td>
<td>Million Btu</td>
</tr>
<tr>
<td>116.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Does this establishment consist of refinery operations only?</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>061</td>
<td></td>
</tr>
<tr>
<td>9 Yes, refinery only</td>
<td>9 Yes, refinery only</td>
<td></td>
</tr>
<tr>
<td>Go to question 119</td>
<td>Go to question 119</td>
<td></td>
</tr>
<tr>
<td>2 No</td>
<td>2 No</td>
<td></td>
</tr>
<tr>
<td>Go to question 117</td>
<td>Go to question 117</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Hydrogen</th>
<th>Wood Fuel Wood/Paper Refuse</th>
</tr>
</thead>
<tbody>
<tr>
<td>117.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enter quantity consumed onsite at the petrochemical plant in 1998 for all nonfuel purposes.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>070</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Million Btu</td>
<td>Million Btu</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Hydrogen</th>
<th>Wood Fuel Wood/Paper Refuse</th>
</tr>
</thead>
<tbody>
<tr>
<td>118.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Enter the quantity shipped offsite in 1998 from the petrochemical plant to other establishments (manufacturing or nonmanufacturing).</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>080</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Million Btu</td>
<td>Million Btu</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Question</th>
<th>Hydrogen</th>
<th>Wood Fuel Wood/Paper Refuse</th>
</tr>
</thead>
<tbody>
<tr>
<td>119.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Answer questions 110 through 118 for both energy sources (columns).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Then go to question 120, Section 10, next page.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section 10: Other Energy Sources (not specified elsewhere)

120. Are there any other additional energy sources (fuels) purchased or consumed in this establishment in 1998 that have not been listed in previous sections?

121. 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.

122. 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.

123. Enter total expenditures, including taxes and any delivery charges, for the quantity reported in question 122.

Include all expenditures regardless of when payment was made.

Continue to next page
Section 10: Other Energy Sources, cont.

124. 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 122.

125. 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).

126. 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.

127. Does this establishment consist of refinery operations only?

Go to question 130, next page

Yes, refinery only

Go to question 130, next page

Yes, refinery only

Go to question 130, next page

Yes, refinery only

No

Go to question 128, next page

No

Go to question 128, next page

No

Continue to next page
### Section 10: Other Energy Sources, cont.

<table>
<thead>
<tr>
<th></th>
<th>070</th>
<th>080</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Census use only</strong></td>
<td><strong>Units</strong></td>
<td><strong>Units</strong></td>
</tr>
<tr>
<td><strong>Other Energy Source # 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Other Energy Source # 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Other Energy Source # 3</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>128.</th>
<th>Enter quantity consumed onsite at the petrochemical plant in 1998 for all nonfuel purposes.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.</td>
<td></td>
</tr>
<tr>
<td>Exclude all offsite dispositions such as sales and transfers to other establishments.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>129.</th>
<th>Enter the quantity shipped offsite in 1998 from the petrochemical plant to other establishments (manufacturing or nonmanufacturing).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exclude any quantities transferred between a petroleum refinery and a petrochemical plant if the two are treated (reported) as a single establishment for this survey.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>130.</th>
<th>&lt; Answer questions 120 through 129 for any additional energy sources (columns).</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; Then go to question 131, Section 11, next page.</td>
<td></td>
</tr>
</tbody>
</table>