Mail your completed form to:
U.S. CENSUS BUREAU
1201 East 10th Street
Jeffersonville, IN 47132-0001

Please read the accompanying information sheet(s) before answering the questions.

Need help or have questions about filling out this form?
Visit our Web site at www.census.gov/econhelp/rd
To speak with an analyst call 1-800-851-2014, option "0" between 8:00 a.m. and 5:00 p.m., Eastern time, Monday through Friday.

- OR -
Write to the address above.
Include your 11-digit Identification Number (ID) printed in the mailing address.

You will satisfy the mandatory reporting requirements for this survey if you answer ☒, lines A and B; and ☒, line D, columns (1) and (3).

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the U.S. Census Bureau. By the same law, YOUR CENSUS REPORT IS CONFIDENTIAL. It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. Further, copies retained in respondents’ files are immune from legal process.

RESEARCH AND DEVELOPMENT (R&D)

R&D includes basic and applied research in the sciences and engineering. It also includes design and development of new products and processes and enhancement of existing products and processes.

R&D includes activities carried on by persons trained, either formally or by experience, in the physical sciences such as chemistry and physics, the biological sciences such as medicine, and engineering and computer science. R&D includes these activities if the purpose is to do one or more of the following things:

1. Pursue a planned search for new scientific knowledge or understanding that does not have specific immediate commercial objectives, although it may be in fields of present or potential commercial interest. (Basic research)

2. Apply the findings of basic research or other existing knowledge toward discovering new scientific knowledge that has specific commercial objectives, including work required to evaluate possible uses, with respect to new products, services, processes, or methods. (Applied research)

3. Systematically use the knowledge or understanding gained from research and practical experience in the production or significant improvement of products, services, processes, or methods, including the design and development of prototypes, materials, devices, and systems. (Development)

Research and development includes the activities described above whether assigned to separate R&D organizational units of the company or carried out by company laboratories and technical groups not part of an R&D organization. Reporting the R&D activities of such latter groups may require the use of estimates for some of your responses.

Activities to be excluded from R&D are as follows: research in social sciences or psychology, routine product testing, geological and geophysical exploration activities and technical services.

See instructions for more detail.

1. Did your company conduct R&D in 2003? (Mark “X” only ONE box.)

☐ Yes - Complete form, enter zeros where applicable, and return this form.

☐ No - Either call TDE to report (1-800-851-2014) OR mark the 203 box and mail the form.

NOTE - After reviewing 1 if you need further assistance please call 1-800-851-2014, option "0".
**HOW TO REPORT DOLLAR FIGURES**

Dollar figures should be rounded to thousands of dollars.

If a figure is $1,025,628.79: Report 1 0 2 6

### 2

**A.** What was the amount of your company's domestic sales, shipments, operating receipts, or revenues, net of returns and allowances? (EXCLUDE domestic intracompany transfers and sales by foreign subsidiaries. INCLUDE receipts for sales of products and services provided to other companies, individuals, U.S. Government agencies, and foreign countries.) ........................................... 102

**B.** How many employees worked in the United States for your company on March 12, 2003? (Include number of full- and part-time employees whose payroll was reported on Internal Revenue Service Form 941, Employer's Quarterly Federal Tax Return.) ................................................................. 112

### 3

What was the number of full-time equivalent (FTE) scientists and engineers employed by your company as of January 1, 2004?

(See instructions for the definition of FTE scientists and engineers.) ............ 206

### 4

What was the cost of R&D performed within your company in the 50 United States and D.C.?

(Please report R&D performed for each source of funding.)

**A.** Basic research (Research for the advancement of scientific knowledge without specific immediate commercial objectives.)

**B.** Applied research (Research directed primarily towards a specific commercial or practical objective.)

**C.** Development (Activity translating research into new or improved goods, services or processes.)

**D.** TOTAL (Sum lines A through C).

<table>
<thead>
<tr>
<th>2003</th>
<th>Federal funds</th>
<th>Company and other</th>
<th>Total (Columns (1)+(2))</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
</tr>
<tr>
<td>A.</td>
<td>304</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.</td>
<td>314</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C.</td>
<td>324</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.</td>
<td>344</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For 2004 what is your projected cost for company-funded R&D performed by your company in the 50 United States and D.C.?

(Comparable to the 2003 figure reported in 4, line D, column (2).) .............. 401

### 6

What was the cost of R&D performed by others for your company in the 50 United States and D.C.?

(Please report R&D performed for each source of funding.)

<table>
<thead>
<tr>
<th>2003</th>
<th>Federal funds</th>
<th>Company and other</th>
<th>Total (Columns (1)+(2))</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
</tr>
<tr>
<td></td>
<td>354</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
If not shown, please enter your 11-digit Identification Number (ID) from the mailing address.

What was the cost of your company-funded R&D performed outside of the 50 United States and D.C. by your subsidiaries, affiliates, or branches, or by other organizations in which your company owns the following percentages of voting stock or equivalent interest?

<table>
<thead>
<tr>
<th></th>
<th>2003 Company and other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(2) $ Bil. Mil. Thou.</td>
</tr>
<tr>
<td>A. 0%</td>
<td>363</td>
</tr>
<tr>
<td>B. More than 0% but less than 10%</td>
<td>364</td>
</tr>
<tr>
<td>C. 10% - 50%</td>
<td>365</td>
</tr>
<tr>
<td>D. More than 50%</td>
<td>366</td>
</tr>
<tr>
<td>E. TOTAL (Sum lines A through D.)</td>
<td>369</td>
</tr>
</tbody>
</table>

Not Applicable.

What was the cost relating to total R&D performed within your company in the 50 United States and D.C. for the following types of technologies?

<table>
<thead>
<tr>
<th></th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ Bil. Mil. Thou.</td>
</tr>
<tr>
<td>Key code</td>
<td>2003 (1)</td>
</tr>
<tr>
<td>7</td>
<td>11</td>
</tr>
<tr>
<td>11</td>
<td>21</td>
</tr>
<tr>
<td>31</td>
<td>41</td>
</tr>
<tr>
<td>51</td>
<td></td>
</tr>
</tbody>
</table>

What percentage of the R&D costs reported in 10A are attributable to nanotechnology for each of the following types of technologies? (Nanotechnology is defined as the creation and utilization of materials, devices, and systems through the control of matter on the nanometer scale, at the level of atoms and molecules in the range of 1 to 100 nanometers.)

<table>
<thead>
<tr>
<th></th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Whole percents</td>
</tr>
<tr>
<td>Key code</td>
<td>2003 (2)</td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>%</td>
</tr>
<tr>
<td>21</td>
<td>%</td>
</tr>
<tr>
<td>31</td>
<td>%</td>
</tr>
<tr>
<td>41</td>
<td>%</td>
</tr>
</tbody>
</table>

Not Applicable.
A. Do the R&D expenditures reported on this form cover the entire fully consolidated enterprise including all subsidiaries, affiliates, or branches located in the 50 United States and D.C.?

□ Yes  □ No - Please explain in "REMARKS" below.

B. Was this company owned or controlled by another company on December 31, 2003?

□ Yes - Give date acquired at right AND enter new owner name and mailing address below

001

☐ Month Year ☐ No

0018

6030 Name of new owner or operator

6031 Mailing address (Number and street, P.O. box, etc.)

6032 City, town, village, etc.

6033 State 6034 ZIP Code

CHECK ITEM

Please complete the check list below BEFORE returning this form. By checking these items you will reduce the likelihood of our calling you to resolve an error or inconsistency.

In 2A:

1. Sales is reported in thousands of dollars

□ Yes  □ No

In 2B:

2. Your answer describes the number of employees, NOT company payroll

□ Yes  □ No

In 4:

3. Verify that Federal funds (column (1)) plus Company funds (column (2)) equals Total funds (column (3)) for:

Basic research (4A), applied research (4B), development (4C), total research and development (4D)

□ Yes  □ No

IF THE ANSWER TO ANY OF THE ABOVE CHECKS IS "NO," PLEASE MAKE THE NECESSARY CORRECTIONS IN THE APPROPRIATE ITEM(S) OR PROVIDE AN EXPLANATION IN THE "REMARKS" SECTION.

CONTACT INFORMATION

Is the time period covered by this report a calendar year?

□ Yes  □ No - Enter time period covered

0078 0079

FROM 0070 TO 0071

0072 Name of person to contact regarding this report 0073 Title

Area code Number Extension Area code Number

Telephone 0074 Fax 0075

0076 Internet e-mail address

Date completed 0069

REMARKS (Please use this space for any explanations that may help us in understanding your reported data.)

INFORMATION COPY

DO NOT USE TO REPORT

Thank you for completing your 2003 SURVEY OF INDUSTRIAL RESEARCH AND DEVELOPMENT form.

PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.