

Date & Rec'd 2/24/81

DUE DATE: WITHIN 30 DAYS AFTER RECEIPT

Form Approved: O.M.B. No. 41-R2806

FORM **MQ-C1**
(10-9-80)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

SURVEY OF PLANT CAPACITY

FOURTH QUARTER 1980

RETURN TO

Bureau of the Census
1201 East Tenth Street
Jeffersonville, Indiana 47132

*Please READ carefully the specific
instructions with each item on the
reverse side before filing this report.*

NOTICE - Response to this inquiry is required by law (title 13, U.S. Code, sections 131, 182, 224, and 225). By section 9 of the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report,
refer to the file number above your name.

812003 C001 6 10 MQ-C1
770 C0217 00 10 22143431 2815 1030
AMERICAN CYANAMID COMPANY
MAC GREGOR LEAD PLANT
4500 WEST FIFTEENTH ST
CHICAGO IL 60625

YOUR FILE COPY

(Please correct any error in name and address including ZIP code)

GENERAL INSTRUCTIONS

Fourth Quarter 1980 (October-December) - Please complete the information requested for the establishment described in the address box of this form. If your company operates more than one manufacturing location, you are requested to report only for those specifically selected for this survey.

This report will be used to compile estimates of capacity by industry and for manufacturing as a whole in order to evaluate the actual performance of manufacturing in the months ahead. The information is of great value not only to the Bureau of the Census, but also to the Federal Reserve Board, Council of Economic Advisers, and other parts of the Government responsible for tracking the performance of the economy. It is recognized that many companies do not have records readily at hand to compile a precise measure of capacity. It is also recognized that estimated capacity may vary considerably with the product mix which may be subject to substantial short run variation in many establishments. However, past surveys conducted by the Bureau of the Census and discussions with many firms indicate that most firms can overcome these obstacles and estimate the capabilities of the plants reasonably accurately in terms of value of production or another item such as quantity of output or materials put through.

We urge you to make a reasonable effort to complete the various sections of the report form. If you feel that you cannot complete the item 1 data for production or materials, a work-hour estimate of preferred rate and practical capacity is acceptable.

Please use the remarks section to make comments about the method you used to obtain your estimate of capacity. Such comments will enhance the usefulness of the resulting data or will reduce questions we may have about your report.

Shifts Per Day - Most shifts are assumed to be of 8 hours duration so that a 3-shift operation is usually maximum. If you are operating with a variation that leads to more than three shifts or to fractional shifts (such as when departments of the firm operate different number of shifts), please use the remarks to explain briefly your operations.

Days Per Week, Hours Per Day, and Weeks in Operation - Refer to the duration the main portion of the plant is open and operating, not to the work-hours put in by your work force.

Number of Production Workers and Total Work-hours - Should be the same as reported for this establishment on your 1980 Annual Survey of Manufactures Form MA-100 (Items 2 and 4).

Preferred Level of Operations - This is typically an intermediate level of operations between actual operations and practical capacity which you would prefer not to exceed because of costs or other considerations. If no such level exists as far as the plant operation is concerned, please enter "same as practical capacity" in item 1, column c.

GENERAL INSTRUCTIONS - Continued

Practical Capacity - This is the greatest level of output this plant can achieve within the framework of a realistic work pattern. In estimating practical capacity, please take into account the following considerations:

1. Assume a normal product mix. If the plant is subject to considerable short run variation in product mix you may assume that the current pattern of production is normal.
2. In setting capacity in terms of the number of shifts and hours of plant operation assume an expansion of operations that can be reasonably attained in your industry and your locality.
3. Consider only the machinery and equipment in place and ready to operate. Do not consider facilities which have been inoperative for a long period of time and, therefore, require extensive reconditioning before they can be made operative.
4. Take into account the additional downtime for maintenance, repair, or cleanup which would be required as you move from current operations to full capacity.
5. Assume availability of labor, materials, utilities, etc., sufficient to utilize the machinery and equipment that was in place at the end of the quarter.
6. Do not consider overtime pay, added costs for materials, or other costs to be limiting factors in setting capacity.
7. Although it may be possible to expand plant output by using productive facilities outside of the plant, such as by contracting out sub-assembly work, do not assume the use of such outside facilities in more than the proportion that has been normal in your current level of operations.

Item 1 - ACTUAL, PREFERRED, AND PRACTICAL LEVELS OF OPERATIONS FOR FOURTH QUARTER 1980 (OCTOBER-DECEMBER) - In reporting shifts, days, and hours of operations you may use the most typical pattern during the period. Lines 1 through 8 - Please make every effort to report information requested in columns (b), (c), and (d).

Line No.	Item (a)	4th Quarter 1980		
		Actual, operations (b)	Preferred level of operations (c)	Practical capacity (d)
1	Shifts per day (Number)	1011 3	1012 3	1013 3
2	Days per week in operation (Number)	1021 5	1022 7	1023 5
3	Hours per day in operation (Number)	1031 54	1032 54	1033 54
4	Weeks in operation during the 4th quarter (Number)	1034 12	1035 12	1036 12
5	Number of production workers as of November 12	1041 16	1042 16	1043 16
6	Total work-hours worked during the quarter by production workers (Thousands)	1051 8400	1052 9000	1053 8400
7	Percent of overtime hours included in line 6	1061 9%	1062 5%	1063 9%
8	Value of production (\$1,000)	1071	1072	1073
If possible, please report for lines 9 and 10 below. Use reasonable estimates for the item(s) most suitable for your establishments.				
9	Quantity of production - Specify units	1081 5000	1082 5000	1083 5000
		1091	1092	1093

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Value of production (\$1,000)				
If possible, please report for lines 9 and 10 below. Use reasonable estimates for the item(s) most suitable for your establishments.				
9	Quantity of production - Specify units	1081	1082	1083
10	Quantity of materials consumed - Specify units	1091 <i>1658 states + 93 x 21 full</i>	1092	1093

Item 2 - OPERATING RATES DURING THE FOURTH QUARTER 1980

Line No.		Percent
1	At what percentage of practical capacity did this plant actually operate during the fourth quarter 1980?	2011 %
2	At what percentage of practical capacity would you have preferred this plant to operate during the fourth quarter 1980?	2012 %

Item 3 - METHOD USED TO DETERMINE OPERATING RATES - The purpose of this inquiry is to learn how operating rates are computed.

Mark (X) one

2013 ☐ Production workers	2017 ☐ Quantity of materials consumed
2014 ☐ Work hours	2018 ☐ Subjective evaluation
2015 ☐ Value of production	2019 ☐ Other - Specify _____
2016 ☒ Quantity of production	

Item 4 - REASONS FOR OPERATING AT LESS THAN 100% OF PRACTICAL CAPACITY AND LENGTH OF TIME REQUIRED TO REACH AND MAINTAIN PRACTICAL CAPACITY - If during the 4th quarter 1980 this establishment operated at less than 100% of your practical capacity, please complete items 4a, 4b, and 4c below.

a. Principal reason your operations fell short of practical capacity. Enter the number 1 through 6 for each applicable item to indicate the ranking of the reason in importance. Number only those reasons which pertain to your operations.

3011 ☒ Insufficient orders	3014 _____ Lack of materials or supplies
3012 _____ Inadequate labor force (total or specific skills)	3015 _____ Strike or other work stoppages, etc.
3013 _____ Lack of sufficient fuel or electric energy	3016 _____ Other (fire, flood, etc.) - Specify _____

b. Length of time it would require to expand actual operations to practical capacity providing there was sufficient demand for the output -

Mark (X) one

3021 ☐ 1 week or less	3024 ☐ 4-6 months
3022 ☒ 2 weeks to a month	3025 ☐ More than 6 months - Specify _____
3023 ☐ 2-3 months	3026 ☐ Impractical to expand to practical capacity - Specify estimated percent of practical capacity that could be reached within 6 months %

c. Length of time practical level of operation could be sustained (or level specified in 3026 above) 3031 ☒ Indefinitely 3032 ☐ Only _____ months (Number)

Item 5 - Person to contact regarding this report

Name	Title	Telephone		
		Area code	Number	Extension

Remarks

DUE DATE: WITHIN 30 DAYS AFTER RECEIPT

Form Approved: O.M.B. No. 41-R2806

CY0002542

MQ-C1-L1 (1980)
(12-2-80)



UNITED STATES DEPARTMENT OF COMMERCE
Bureau of the Census
Washington, D.C. 20233

OFFICE OF THE DIRECTOR

JANUARY 19, 1981

FROM THE ACTING DIRECTOR
BUREAU OF THE CENSUS

Enclosed are your report forms and file copies for reporting in the "Survey of Plant Capacity" (MQ-C1) for the fourth quarter of 1980. The questionnaire is unchanged from the 1979 form. Estimates of capacity utilization are used by the Federal Reserve Board, the Council of Economic Advisers, the Treasury Department, and other agencies responsible for developing monetary and fiscal policy. Private firms also use the data to analyze industry trends, investigate market potential, and predict capital flows.

We recognize that not all firms maintain records of capacity utilization, as such, and that capacity may change with the product mix, the time in operation for the plant, the equipment in place, or for various other reasons. Therefore, some degree of estimation may be required to complete the form. Please read the instructions carefully before completing the report. Use the "Remarks" section to explain any unique conditions that may have entered into your estimates.

The sample of respondents for this survey has been selected as a subsample of the annual survey of manufactures (form MA-100). You are requested to complete the capacity questionnaire only for those establishments for which you received forms, even though you may file forms MA-100 for additional establishments.

Response to this inquiry is required by law (title 13, United States Code, sections 131, 182, 224, and 225). By section 9 of the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

Your cooperation in completing this form within 30 days will help to make possible the timely release of the survey results. If you have any questions, or if additional time is required to complete the report, please contact the Special Projects Branch of our Industry Division at (301) 763-5915 for assistance. Requests for additional forms may be made by calling (812) 288-3331.

Sincerely,

Daniel B. Levine

DANIEL B. LEVINE

Enclosures

N9413.01

CY0002543



NOTICE

Additional Instructions for Completing Form MQ-C1, Survey of Plant Capacity

Please read the following instructions before completing Form MQ-C1. These additional instructions are intended to clarify questions frequently raised and to assist us in understanding your report.

1. Data reported in item 1 (Actual, Preferred, and Practical Levels of Operations for Fourth Quarter) normally should be consistent with the operating rates reported in item 2. Please explain in the Remarks section any significant differences between the implicit operating rates in item 1 (i.e., the ratio of the "actual" to the "preferred" and "practical" columns) and the operating rates reported in item 2. Review particularly the measure corresponding to the box reported in item 3 (if you mark boxes 2013 through 2017).
2. While it is our intention to request only data which are readily available, we recognize that some of the information requested may be difficult to report due to circumstances beyond your control. In such cases, please provide your best estimates. Several of the data items (production workers and worker hours) are the same as reported on the Annual Survey of Manufactures (Form MA-100), and should be consistent with that report.
3. In reporting item 1, it is usually best to complete column c (preferred level of operations) before completing column d (practical capacity). Implicit in the idea of a preferred level of operations is the theory that there is a level of operations at which profits are maximized. This is a level where marginal revenue equals marginal costs. The preferred level (column c) should not exceed practical capacity (column d).
4. If your plant has departments or assembly lines which operate an unequal number of shifts (item 1, line 1), report the maximum number of shifts operated. Do not attempt to calculate an average number of shifts based on hours worked or some other factor. Do not consider overtime hours as fractional shifts. Also, for "hours per day in operation" (item 1, line 3), report the total elapsed time the plant is open and operating, not the number of person hours worked.