

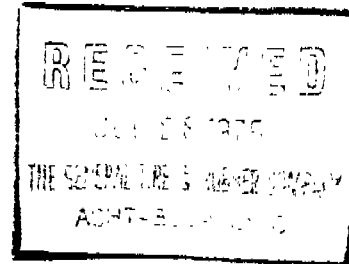


UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST
CHICAGO, ILLINOIS 60604



July 24, 1975

Mr. H. E. Jewett
Technical Superintendent
General Tire & Rubber Co.
P.O. Box 68
Ashtabula, Ohio 44004



Dear Sir:

After an initial review of your most recently submitted Discharge Monitoring Report (DMR) form(s), it appears that you are not properly filling out the DMR form(s).

I am therefore enclosing a set of instructions for completing the form for your future use.

If you have any questions please contact a member of my staff at 312/353-1475.

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Very truly yours,

Carol R. Foglesong
Carol R. Foglesong, Acting Chief
Compliance Unit
Enforcement Division

Enclosure
As Stated

*7/30/75 - ~~discuss~~ : contacted they
are to advise later today
Letter erroneously sent
to us 7/30*

GENC 004410



UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604



Enclosed is a supply of National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report Form T-40 to be used in reporting to the U.S. Environmental Protection Agency during the life of your permit.

Discharge Monitoring Report T-40 is to be completed in the following manner:

1. Use one Form per month per point of discharge (or per group of discharges limited as a unit).
2. Enter "Monthly averages"; also show Maximum and Minimum values which occurred during the month. (See page 3, item No. 7)
3. Enter in uniform order (as conditioned in your Permit) from month to month each parameter specified in your permit to be monitored that are not already preprinted on the Form.
4. Retain the completed copies of monthly Forms until the close of the quarterly report period, then send three completed monthly Forms (for each discharge or group of discharges) to the U.S. EPA. Copies to the State must follow State reporting requirements as specified in the permit. Be sure to maintain a copy of completed Forms for your records.

Example 1

Permit with three points of discharge, separately limited:

Complete and hold a Form for each of the three discharges as follows:

January	- 3 Forms, completed (hold)
February	- 3 Forms, completed (hold)
March	- <u>3</u> Forms, completed
By April 28:	9 Forms submitted
	Etc.

GENC 004411

Example 2

Permit with three points of discharge, limited as follows:

001; 002 and 003 in combination.

Two (2) forms are then required to be completed each month, as follows:

January	- 2 forms completed (hold)
February	- 2 forms completed (hold)
March	- <u>2</u> forms completed
By April 28:	6 completed forms submitted.

Etc.

Example 3

Permit with three points of discharge, limited as a group.

Complete and hold one form for the group as follows:

January	- 1 form completed (hold)
February	- 1 form completed (hold)
March	- <u>1</u> form completed
By April 28:	3 forms completed and submitted.

Etc.

Of the following twelve items, the first six items are for permittees whose forms have not been preprinted with permit numbers, parameter numbers and permit conditions. Items 7-12 apply to all permittees.

1. In the box marked "ST" enter two letters to represent the State in which the discharge is located. These letters are the same as the first two letters of your permit number.
2. In the box labeled "PERMIT NUMBER" enter the 7-digit permit number. It is not necessary to repeat the 2-letter State code.

3. In the box marked "DIS" enter the serial number of the point of discharge for which the Form is being completed. Serial numbers are 3-digit numbers of the form 001, 002, etc.. Please enter leading zeroes. If the Form represents a group of discharge points, enter the lowest serial number in the group. (e.g. If the Form represents the total discharge from points "002", "003", and "004", enter "002".) If your facility has only one discharge point, enter "001".
4. The boxes marked "SIC" and "LATITUDE-LONGITUDE" require no entries.
5. "REPORTING PERIOD." The dates of the first and last days represented by each form must be entered numerically. If the month or day is lower than 10, it must be entered as 01, 02, 03, etc. Leading zeroes must be filled in. Example: A Form representing the month of January 1975 would read, "750101 to 750131".
6. The column marked "PARAMETERS" is being used to identify the names of chemical or physical properties being measured. The computer recognizes these names as 5-digit numbers, known as parameter codes. These parameter codes must be entered on the form before the data can be processed. Following is a list of the most frequently used parameter codes.

MOST FREQUENTLY USED PARAMETERS

50050	Flow, mgd	74055	Fecal Coliform
00310	BOD ₅	00400	pH
00547	Solids, Total Suspended	00665	Phosphorus, Total
81010	% Removal BOD ₅	00610	Ammonia, Tot as N
81011	% Removal S.S.	50060	Chlorine, Residual

Please enter the code under the parameter column beside preprinted parameter name. If you are monitoring parameters not included on this list, merely write in the name of the parameter, ignoring the code. You may, for your own use, write in the names along with the numbers of the parameters which do appear on the list but which have not been preprinted on the form.

7. To determine the arithmetic mean of loading, the daily flow, in million gallons per day, must be multiplied by the daily concentration, in mg/l, multiplied by 3.79 to yield the daily load in kilograms.

BOD₅, Suspended Solids, and Fecal Coliform:

Under "Quantity" enter the arithmetic mean* of the loading determined from the samples collected during the calendar month in the "average" column; in the "maximum" column enter the highest arithmetic mean of

the loading determined from the samples collected for any calendar week during the calendar month. If a week ends in a new month, that week's data is to be reported in the new month. All data under columns headed "Quantity" must be entered using the metric system. Flow is the only exception and is to be entered in million gallons per day. Your permit shows loading limitations in both English and Metric systems. Multiply pounds by 0.453 in order to obtain kilograms.

Under "Concentration" enter the arithmetic mean of the concentrations of the samples collected during the calendar month in the "average" column; in the "maximum" column enter the highest arithmetic mean of the concentrations of the samples collected for any calendar week during the calendar month. If a week ends in a new month, that week's data is to be reported in the new month. For fecal coliform bacteria the geometric mean* must be used for reporting both monthly and weekly averages.

pH and Residual Chlorine:

For pH and Residual Chlorine enter under the "maximum" and "minimum" columns the extreme values observed during the calendar month.

Other Parameters:

For other parameters enter under the "maximum" column the extreme value observed during the calendar month.

In general, loadings are reported under "Quantity"; concentrations are reported under "Concentration". For pH, report under "Quantity".

IMPORTANT NOTE:

Although the monitoring is to be reported on a calendar month and calendar week basis, the permittee must recognize that permit conditions require compliance during any 30 consecutive day or any 7 consecutive day period. Any violation occurring between any two consecutive months or two consecutive weeks must receive immediate attention from the permittee and may be cause for enforcement action.

*Example: seven samples collected during a period of seven days are as follows:

30, 43, 25, 20, 27, 28, 22.

The arithmetic mean (AM) of the above samples is given by:

$$\begin{aligned} \text{AM} &= \frac{30 + 43 + 25 + 20 + 27 + 28 + 22}{7} \\ &= 28 \end{aligned}$$

The geometric mean (GM) of the above samples is given by:

$$\text{GM} = \sqrt[7]{30 \times 43 \times 25 \times 20 \times 27 \times 28 \times 22}$$

Take logarithm of both sides of the equation.

$$\begin{aligned} \text{Log GM} &= 1/7 (\log 30 + \log 43 + \log 25 + \log 20 + \log 27 + \log 28 + \log 22) \\ &= 1/7 (1.478 + 1.632 + 1.398 + 1.301 + 1.432 + 1.448 + 1.342) \\ &= 1.433 \end{aligned}$$

Find the geometric mean from the logarithm table, antilog 1.433 = 27, therefore

$$\text{GM} = 27$$

8. When entering data, be careful to show decimal points clearly and DO NOT USE COMMAS on large numbers.
9. In the column marked "NO. EX" enter the number of times the maximum and/or minimum was exceeded. For pH enter the number of times the allowable minimum or maximum limits were violated.
10. The column marked "FREQUENCY OF ANALYSIS" is designed to record how many times each parameter was measured. It appears logical to enter "weekly" or "monthly", but the computer requires that the data be entered in the form of number of samples per number of days. Examples: once per week would be entered as "1/7;" monthly, as "1/30;" daily as "1/1;" twice daily, as "2/1;" three times per week "3/7;" etc. If the measurement is continuous, enter "CONT."

11. The column marked "SAMPLE TYPE" is designed to record how the samples were collected. If they were grab samples enter "GR;" if they were composite samples, enter the number of hours composited. (A 24-hour composite would appear as "24", and an 8-hour composite as "08", etc.). If the parameter is measured continuously, enter "NA" for not applicable.
12. In the upper left hand corner of the T-40 Form, please enter the name, address, and telephone number of the treatment facility.

Inasmuch as our initial supplies of the Reporting Form have been extremely limited, we may not have been able to include the total number which you will require during the life of the permit.

As your enclosed supply dwindles, please either:

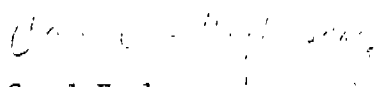
1. Write or call this office for an additional supply. We will furnish forms as soon as possible; otherwise,
2. Photocopy one of your blank forms in numbers sufficient for your reporting needs.

In order to help us to expedite response, please address your request for additional Discharge Monitoring Forms to:

U.S. Environmental Protection Agency
Region V, Enforcement Branch
Compliance Section
230 South Dearborn Street
Chicago, Illinois 60604

Be careful not to run out of forms, by allowing sufficient time for us to respond to your request. Thirty days should be adequate notice.

Very truly yours,


Carol Foglesong
Chief, Compliance Section
Enforcement Branch

Enclosure