

STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
INSTRUCTIONS FOR FORM WSR
(HAZARDOUS WASTE STREAM REPORT)

Below are instructions for completing the Hazardous Waste Stream and Annual Report form. For new waste streams, complete items 1- 2 on the blank forms and mail to the Division within 90 days of starting generation. Notify the Division within 30 days of significant changes after original notification. For previously notified wastes, review the data on the computer generated forms and mark any changes. The Annual Report portion of the form consists of items 3-6. If you need extra copies, please photocopy the enclosed blank form before writing on it. Complete a separate Hazardous Waste Stream Report for each individual hazardous waste stream currently generated at the site. Rule 1200-1-11-.03(1)(b) gives the procedure to determine if a waste is regulated as hazardous. For questions concerning this report, the regulations or your status as a generator, call the Division of Solid Waste Management at (800)-237-7018. For technical assistance in writing a waste reduction plan, in evaluating your waste reduction opportunities or concerning state of the art equipment or processes, contact the University of Tennessee, Center for Industrial Services at (615) 532-8657 or write to them at Suite 606, 226 Capitol Boulevard Building, Nashville, TN 37219-1804, or visit the web site at www.cis.utk.edu/

ITEM 1- HAZARDOUS WASTE STREAM DESCRIPTION AND PROCESS

1a - WASTE STREAM NAME

Name the waste using a specific, standard name if possible. See Rule 1200-1-11-.02(4) for wastes listed by name. Waste Stream Number - Number in order each waste stream beginning at one (1). If you are notifying on additional waste streams for the first time, start with the number following the last waste stream previously reported. Use this assigned number in all future correspondence.

1b - HOW IS THIS WASTE GENERATED?

Briefly describe how the hazardous waste is generated. This description may aid in assigning the specific hazardous waste name and EPA waste code(s) on item 1h. If extra space is needed, use the Facility Comments (Item 7) on the back of FORM WSR.

1b(1) - SOURCE CODE

Lookup G Source Code on the HAZARDOUS WASTE ANNUAL REPORT CODE LIST.

1c - UNITS OF MEASURE

Choose either kilograms or pounds. Use the same unit on all other forms. If you do not know how to convert from volume units to weight units, enter the volume to weight conversion factor. For example, if your unit of measure is originally in gallons, give a conversion factor in pounds per gallon. Conversion of gallons to pounds: (gallons x pounds per gallon conversion factor) = pounds. Conversion of pounds to kilograms: (pounds divided by 2.2046) = kilograms.

1d - GENERATION FREQUENCY

Check the generation frequency during a year based on whether the waste is generated continuously, at various times during the year, or accidentally or other one time.

1e - WASTE STREAM STATUS

Check the waste stream status during the year based on whether the waste is active, closed or re-activated. If the waste stream is closed, you must put a stop generation date in 1g or the waste stream will not be closed.

1f - HAZARD CRITERIA

Check one or more characteristics of the waste as appropriate to identify its hazards according to Rule 1200-1-11-.02(3) and (4).

1g - GENERATION DATES

Give the DATE GENERATION BEGAN (mm/dd/yy), the date that the facility begins to generate this waste at this site. If the waste is no longer generated, provide the DATE NO LONGER GENERATED (mm/dd/yy).

1h - EPA WASTE CODES

Supply the EPA waste codes as determined in Rule 1200-1- 11-.02. In the case of mixtures, list the codes in descending order of concentration (P, D, F, U and K). While it is difficult at times to determine the correct and most specific EPA waste codes, this is an important task.

1i - TN/RCRA RADIOACTIVE MIXED WASTE

Is the waste a mixed radioactive waste? Enter YES or NO.

1j - MONTHLY MAXIMUM GENERATED

This is the maximum amount of waste that you would produce in any one month of the Report Year. This amount cannot be zero.

1k- pH

Indicate the pH for any corrosive waste.

1l- FLASH POINT

List the flash point (°F) for any ignitable waste.

1m- BTU PER POUND

If the waste is burned for energy recovery; supply the British Thermal Units (BTU) of the waste.

1n- REACTIVE CODES

List the reactive code for any wastes that may react as follows:

- | | | |
|--|--|--|
| 1. Potentially releases hydrogen cyanide gas | 4. Thermally unstable or shock sensitive | 7. Reactive by presence of strong oxidants |
| 2. Potentially releases hydrogen sulfide | 5. A DOT forbidden explosive | 8. Reactive by presence of strong reductants |
| 3. Reacts violently with water | 6. A Class A or B DOT explosive | 9. Reactive by other RCRA criteria or other test/criteria. |

1o - WASTE FORM CODE

Select a form code from those given on the HAZARDOUS WASTE ANNUAL REPORT CODE LIST.

1p - NAICS CODE

North American Industry Classification System. It has officially replaced the decades old Standard Industrial Classification (SIC) system.

Enter the NAICS code that best represents the end products or services for which this waste was generated.

A complete list of NAICS codes is available on the internet at www.census.gov/epcd/naics02/ If you need help determining the NAICS Code, write a brief description of your process or product.

1q- US DOT SHIPPING NAME

Give the name required by DOT to be placed on manifests when the waste is shipped offsite.

1r- US DOT HAZARD CLASS

Enter the DOT hazard class code as defined by the US DOT regulations - (check manifest).

CLASS 1 EXPLOSIVES

- 1.1 SUBSTANCES WITH A MASS EXPLOSION HAZARD
- 1.2 SUBSTANCES WHICH PRESENT A PROJECTION HAZARD BUT NO MASS EXPLOSION HAZARD
- 1.3 SUBSTANCES WHICH PRESENT BOTH A FIRE HAZARD AND A MINOR BLAST OR PROJECTION HAZARD (OR BOTH) BUT NOT A MASS EXPLOSION HAZARD
- 1.4 NO SIGNIFICANT HAZARD
- 1.5 VERY INSENSITIVE SUBSTANCES WITH A MASS EXPLOSION HAZARD
- 1.6 VERY INSENSITIVE ARTICLES WITH NO MASS EXPLOSION HAZARD

CLASS 2 GASES

- 2.1 FLAMMABLE GASES
- 2.2 NON-FLAMMABLE, NON-TOXIC GASES
- 2.3 TOXIC GASES

CLASS 3 FLAMMABLE LIQUIDS

CLASS 4 FLAMMABLE SOLIDS

- 4.1 FLAMMABLE SOLIDS, SELF-REACTIVE SUBSTANCES AND SOLID DESENSITIZED EXPLOSIVES
- 4.2 MATERIALS LIABLE TO SPONTANEOUS COMBUSTION
- 4.3 SUBSTANCES WHICH, IN CONTACT WITH WATER, RELEASE FLAMMABLE GASES

CLASS 5 OXIDIZING SUBSTANCES AND ORGANIC PEROXIDES

- 5.1 OXIDIZING AGENTS
- 5.2 ORGANIC PEROXIDES

CLASS 6 TOXIC AND INFECTIOUS SUBSTANCES

- 6.1 TOXIC SUBSTANCES
- 6.2 INFECTIOUS SUBSTANCES

CLASS 7 RADIOACTIVE SUBSTANCES AND ARTICLES

CLASS 8 CORROSIVE SUBSTANCES

CLASS 9 MISCELLANEOUS DANGEROUS SUBSTANCES

1s- US DOT ID CODE

Defined by U. S. Department of Transportation (US DOT) Regulations.

ITEM 2- WASTE STREAM CONSTITUENTS

List the hazardous constituents in the waste and the lower and upper limits of the concentration. Record the units for the range of concentration by checking the appropriate column (percent by volume, percent by weight or parts per million (PPM)). For TCLP wastes, use PPM. If the EPA waste codes for this waste stream are F001-F005, specify the constituents before use and concentration in percentages. If there is a single, precise concentration, supply that information in the "lower" column.

ITEM 3- ANNUAL GENERATION AND HANDLING - TO BE COMPLETED BY ALL GENERATORS

Item 3: For blocks A to D, use the following formula: $3a + 3b - 3c = 3d$ and $3d = 4a + 5a + 5b + 5c + 5d$

3a - AMOUNT GENERATED

Accurately report the amount in kilograms or pounds of hazardous waste generated for this waste stream for the Report Year. Enter zero if no hazardous waste was generated during the reported year.

3b - AMOUNT ONSITE JAN 1st

Enter amount in kilograms or pounds of hazardous waste in temporary storage or accumulation area(s) on January 1 of the Report Year.

3c - AMOUNT ONSITE DEC 31st

Enter amount in kilograms or pounds of hazardous waste in temporary storage or accumulation area(s) on December 31 of the Report Year.

3d - AMOUNT HANDLED

The amount handled which should be equal to the following equations: $3a + 3b - 3c = 3d$ and also $3d = 4a + 5a + 5b + 5c + 5d$.

ITEM 4- OFFSITE SHIPPING

4a - TOTAL SHIPPED OFFSITE

Enter the total amount shipped offsite, which matches the amount reported as shipped offsite on the Offsite Shipping Report - (Form OSR)

4b - STATE CODES: TREATMENT, STORAGE, DISPOSAL, HANDLING, AND FINAL DISPOSAL

Enter one or more of the TSDR handling Codes/Waste Management Method Codes, which most closely represent the techniques you used to handle the waste through final disposition in the Report Year. Enter the codes in order of the handling of the waste ending with the code, which represents final disposition. Use the State codes from the HAZARDOUS WASTE ANNUAL REPORT CODE LIST. If an "Other" code is used, write in what treatment method was used. Example: T34 (High Temperature Metal recovery).

4c - EPA MANAGEMENT METHOD

Enter the Management Method Code that best represents the techniques you used to handle the waste through final disposition. Use the EPA codes from the HAZARDOUS WASTE ANNUAL REPORT CODE LIST. If an "Other" code is used, write in what treatment method was used. Example: T34 (High Temperature Metal recovery).

ITEM 5- TSD PERMITTED STORAGE ONLY - OR - FACILITY'S ONSITE TREATMENT

5a - 5d - For onsite handling, use up to four blocks to represent different sets of handling procedures if necessary. TSDRs who placed hazardous wastes in permitted storage in previous years and who rehandled that waste onsite this Report Year should enter the rehandling on the TSDR Permitted Activity Report and not on this form.

ITEM 6- HAZARDOUS WASTE REDUCTION

Refer to the sheet entitled: INSTRUCTIONS FOR ITEM 6 OF FORM WSR (HAZARDOUS WASTE REDUCTION)

ITEM 7- FACILITY COMMENTS

Use this space to more fully explain information or data in ITEMS 1 through 5.