



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

FORM 26R
CHEMICAL ANALYSIS OF RESIDUAL WASTE
ANNUAL REPORT BY THE GENERATOR
INSTRUCTIONS

GENERAL INFORMATION

To Obtain DEP Application Packages. To expedite the processing of the applicant's request, the Department of Environmental Protection (DEP) asks that you use the most up-to-date application package available. The most recent version of this package can be obtained by contacting the appropriate DEP office, or through our Web site noted below. This package, as well as other Department-wide and/or program-specific permit application form packages are available in Microsoft Word format at this same web location. Applicants can download the appropriate form to a personal computer, complete the form electronically, and print the document for submittal to the Department.

www.depweb.state.pa.us, Keyword: "Permits"

General Instructions. This package is designed to assist an *existing client with DEP* in completing the annual report form. This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. Attach additional sheets as necessary.

General References: 287.54

Date Prepared/Revised. Provide the date the application was prepared and/or revised. When additional sheets are attached to include additional information, identify each attached sheet as Form 26R, reference the item number and identify the date prepared/revised. The "Date Prepared/Revised" on any attached sheets needs to match the "Date Prepared/Revised" on the completed annual report form. Please type or print clearly when completing the form.

SECTION A. CLIENT (GENERATOR OF THE WASTE) INFORMATION

Company Name. Identify the company name. Include the company's mailing address, phone number and email address.

Subsidiary/Parent Company. If the company identified is a subsidiary, identify the name of the parent company and the EPA Generator ID number.

Company Contact. Identify the company's contact and include the contact's phone number and email address.

Waste Generation Location. If the waste generated is not at the company's mailing address, describe the location of the waste generation; and provide the township, county, and state.

SECTION B. WASTE DESCRIPTION

Residual Waste. Enter the code that represents the type of residual waste. The list of Residual Waste Codes (RWC) can be found on the 'Codes Residual Waste' document included with this package. Also include the code's description, the amount of waste; the unit of measurement, and the timeframe for disposal/processing. If the timeframe is 'one time' check the box; if other than 'one time' provide the appropriate timeframe.

1. GENERAL PROPERTIES

- a. pH Range.** Indicate the pH range based on analyses or knowledge.
- b. Physical State.** Check appropriate box to indicate physical state.
- c. Physical Appearance.** Describe the color and odor of the waste. Enter the number of solid and/or liquid phases of separation and describe each phase. For example, two phases: one yellow oily liquid and one gray granular solid.

2. CHEMICAL ANALYSIS ATTACHMENTS

Check the appropriate box to indicate if required information is attached to the completed annual report form.

The analytical methodologies used shall be those set forth in the most recent edition of the EPA's Test Methods for Evaluating Solid Waste (SW-846), Methods for Chemical Analysis of Water and Wastes (EPA 600/4-79-020), Standard Methods for the Examination of Water and Wastewater (prepared jointly by the American Public Health Association, American Water Works Association, and Water Environment Federation), or a comparable method subsequently approved by EPA or the Department.

The person taking the samples and the laboratory performing the analysis shall employ the quality assurance/quality control procedures described in the EPA's Test Methods for Evaluating Solid Waste (SW-846) or Handbook for Analytical Quality Control in Water and Wastewater Laboratories (EPA 600/4-79-019).

All analyses submitted must specify the method used and any special preparation, deviation from the method, or pertinent observations. Each analysis sheet must include: *date of sampling, date of analysis, name of laboratory performing test, laboratory accreditation number, laboratory contact person and phone number*. Analytical determinations should be run on the samples, as is, unless otherwise specified in the cited method. Report the analyses in mg/kg on a dry weight basis for solids or in mg/L for liquids, or as otherwise specified in cited method.

No single analytical method is applicable for all waste streams and some modifications may be necessary for unusual waste types. Any modifications, however, must be approved by the Department.

If the sample is of unknown origin or characteristics, contact the appropriate Department regional office prior to analysis.

Chemical analysis of the waste must include the following unless the generator certifies, in writing, either the concentration of the parameter or the absence of the parameter based on his/her knowledge of the manufacturing or pollution control process:

- a. **Gross Analysis.** The total concentration of any constituent present at 1% or greater.
- b. **Trace Analysis.** The total concentration of any constituent listed in Appendix VIII (40 CFR 261.34(e), as incorporated by reference at 25 Pa. Code 261a.1) which, based upon generator knowledge of the waste and the process generating the waste, are likely to be found in the waste at concentrations exceeding 50 ppm.
- c. **Hazardous Waste Determination.** As required under 40 CFR262.11, and as incorporated by reference at 25 Pa. Code 262a.1.
 - 1) pH
 - 2) Ignitability
 - 3) Reactive Sulfide
 - 4) Reactive Cyanide
 - 5) Toxicity Characteristic Leaching Procedure (TCLP) - include all parameters found in 40 CFR 261.24, as incorporated by reference at 25 Pa. Code 261a.1, as well as pH of extract. Report all results in mg/L or as otherwise specified in method.
- d. **Additional Analyses.** Any additional parameters as required.
 - 1) On Form U (if waste is managed at a Pennsylvania facility)
 - 2) By conditions in a permit or approval, for management of the waste.
 - 3) By the facility(ies) managing the waste.

3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS

a. **Manufacturing and/or Pollution Control Processes.** Check the appropriate box to indicate if a detailed description of the manufacturing and/or pollution control processes producing the waste is attached.

Describe the manufacturing process that produced the waste and any pollution control methods involved. This must include the raw materials used in the process, any intermediate products formed, final products, and any substances added during treatment. For non-hazardous waste, provide sufficient detail to demonstrate the waste is not a listed hazardous waste. For example:

"Resol Resin Manufacture"

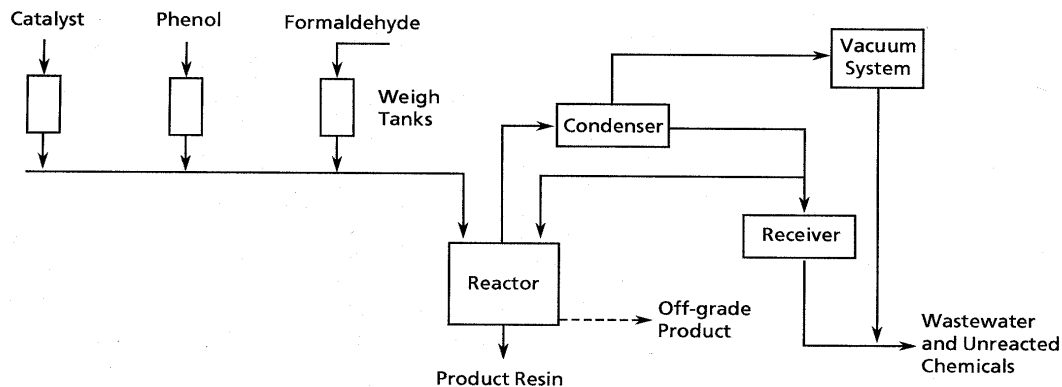
"These resins are formed by reacting phenol, or a substituted phenol with formaldehyde which contains an excess of formaldehyde. An alkali (sodium hydroxide) is used to catalyze the polymerization which takes place at a pH of between 8 and 11 and at a temperature of 60°C."

"When the desired degree of polymerization has occurred, the kettle is cooled to about 35°C to inhibit further reaction. The caustic may be neutralized in the kettle with sulfuric acid at this time. The water from this distillation forms a concentrated waste of unreacted materials and low molecular weight resin."

"The batch is dumped, and depending on the specific resin, the batch may be washed several times and a vacuum may be used during the dehydration cycle. It is important that molten resin be handled quickly to avoid its setting up to an insoluble, infusible mass which would become a waste."

b. Schematic of Manufacturing and/or Pollution Control Processes. Check the appropriate box to indicate if a schematic of the manufacturing and/or pollution control processes producing the waste is attached.

Provide, on 8½ x 11" size paper, flow schematics of the manufacturing and/or pollution control processes generating the waste stream starting with the raw materials and ending with the final products. (See example below.)



c. Confidentiality Claim. Check the appropriate box to indicate if the substantiation for a confidentiality claim (if portions of the information submitted are confidential) is attached.

Information submitted to the Department in this portion of the form may be claimed as confidential by the applicant. If no claim is made at the time of submission, the Department shall make the information available to the public without further notice.

Claim of confidentiality shall address the following:

- The portions of the information claimed to be confidential.
- The length of time the information is to remain confidential.
- The measures taken to guard undesired disclosure of the information to others.
- The extent to which the information has been disclosed to others and the precautions taken in connection with that disclosure.
- A copy of pertinent confidentiality determinations by EPA or any other federal agency.

- The nature of the substantial harm to the competitive position by disclosure of the information, the reasons it should be viewed as substantial, and the relationship between the disclosure and the harm.

SECTION C. MANAGEMENT OF RESIDUAL WASTE

1. PROCESSING OR DISPOSAL FACILITY(IES)

On the annual report form, Items a through d are repeated twice (to accommodate identification of two facilities). Attach additional sheets if necessary to identify all facilities being utilized.

For each facility identified, include the facility name and address; the municipality and county in which the facility is located; the facility's contact person (name, title, phone, and email address); and the volume of waste shipped to the processing or disposal facility in the previous year.

2. BENEFICIAL USE

Indicate whether the waste has been approved for beneficial use; and include the general permit number or approval number. Also identify the volume of waste beneficially used in the previous year.

SECTION D. CERTIFICATION

In accordance with 25 Pa. Code 287.54(f), information required in "Waste Description", if previously submitted to the Department, may be omitted from the annual report form, provided the generator certifies that this information has not changed from that set forth for the previous year. The generator is to check the appropriate box(es) in this area of the annual report form, identify the form(s) and date(s) of submission on which the information is found, and sign the certification statement.

If none of the "Waste Description" information is omitted, do not check any of the boxes; but do sign the certification statement.

The completed annual report form must be certified in the following manner:

- *Corporation.* A corporate officer must sign the document.
- *Limited Partnerships.* A general partner must sign the document.
- *All Other Partnerships.* A partner must sign the document.
- *Sole Proprietorships.* The proprietor must sign the document.
- *Municipal, State, or Federal Authority or Agency.* An executive officer or ranking elected official responsible for compliance of the authority's or agency's waste activities and facilities with all applicable regulations must sign the document.

Department of Environmental Protection

Southeast Regional Office
2 East Main Street
Norristown, PA 19401-4915
Phone (484) 250-5960

Southwest Regional Office
400 Waterfront Drive
Pittsburgh, PA 15222
Phone (412) 442-4000

Northeast Regional Office
2 Public Square
Wilkes-Barre, PA 18711
Phone (570) 826-2516

Northcentral Regional Office
208 W. 3rd St., Suite 101
Williamsport, PA 17701
Phone (570) 327-3653

Southcentral Regional Office
909 Elmerton Avenue
Harrisburg, PA 17110
Phone (717) 705-4706

Northwest Regional Office
230 Chestnut Street
Meadville, PA 16335
Phone (814) 332-6848



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FORM 26R
CHEMICAL ANALYSIS OF RESIDUAL WASTE
ANNUAL REPORT BY THE GENERATOR

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 26R, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below. General Reference 287.54 Date Prepared/Revised	DEP USE ONLY
	Date Received & General Notes

SECTION A. CLIENT (GENERATOR OF THE WASTE) INFORMATION

Company Name				
If a Subsidiary, Name of Parent Company				EPA Generator ID#
Company Mailing Address Line 1		Company Mailing Address Line 2		
Company Address Last Line – City	State	Zip+4	Phone	Ext
Company Contact Last Name	First Name	MI	Suffix	
Municipality		County		
Contact Phone	Ext	Contact Email Address		
Is the waste generated at the Company Mailing Address (noted above)?				<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'No', describe location of waste generation and storage. _____				
Municipality		County	State	

SECTION B. WASTE DESCRIPTION

Residual Waste Code	Residual Waste Code Description	Amount	Unit of Measure	Time Frame
			<input type="checkbox"/> cu yd <input type="checkbox"/> gal	
			<input type="checkbox"/> lb <input type="checkbox"/> ton	<input type="checkbox"/> One Time

1. GENERAL PROPERTIES

a.	pH Range	to	(based on analyses or knowledge)
b.	Physical State	<input type="checkbox"/> Liquid Waste (EPA Method 9095) <input type="checkbox"/> Solid (EPA Method 9095) <input type="checkbox"/> Gas (ambient temperature & pressure)	
c.	Physical Appearance	Color _____	Odor _____
		Number of Solid or Liquid Phases of Separation _____	
		Describe each phase of separation. _____	

2. CHEMICAL ANALYSIS ATTACHMENTS

a.	The results of a detailed chemical characterization of the waste, as described in the instructions, is attached.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b.	A detailed description of the waste sampling method is attached.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
c.	The quality assurance/quality control procedures employed by the laboratory(ies) is attached.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
d.	The results of the hazardous waste determination is attached.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
e.	If applicable, a detailed explanation supporting use of generator knowledge in lieu of actual chemical analysis is attached.	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A

3. PROCESS DESCRIPTION & SCHEMATIC ATTACHMENTS			
a.	A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b.	A schematic of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions, is attached.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
c.	If portions of the information submitted are confidential, the substantiation for a confidentiality claim, as described in the instructions, is attached.	<input type="checkbox"/> Yes	<input type="checkbox"/> No <input type="checkbox"/> N/A
SECTION C. MANAGEMENT OF RESIDUAL WASTE			
1. PROCESSING OR DISPOSAL FACILITY(IES)			
The area below (a.-d.) will accommodate the identification of two facilities. Attach additional sheets if necessary.			
a. Solid waste permit number(s) for processing or disposal facility being utilized.			
b.	Facility Name _____		
	Address Line 1 _____		
	Address Line 1 _____		
	Address City State ZIP _____		
	Municipality _____	County _____	
c.	Facility Contact Name _____		
	Title _____		
	Phone _____	Email Address _____	
d.	Volume of waste shipped to processing or disposal facility in the previous year.		
	<input type="checkbox"/> cu yd	<input type="checkbox"/> gal	<input type="checkbox"/> lb <input type="checkbox"/> ton (check one)
a. Solid waste permit number(s) for processing or disposal facility being utilized.			
b.	Facility Name _____		
	Address Line 1 _____		
	Address Line 1 _____		
	Address City State ZIP _____		
	Municipality _____	County _____	
c.	Facility Contact Name _____		
	Title _____		
	Phone _____	Email Address _____	
d.	Volume of waste shipped to processing or disposal facility in the previous year.		
	<input type="checkbox"/> cu yd	<input type="checkbox"/> gal	<input type="checkbox"/> lb <input type="checkbox"/> ton (check one)
2. BENEFICIAL USE			
a.	Has the waste been approved for beneficial use?		<input type="checkbox"/> Yes <input type="checkbox"/> No
	If "Yes", list the general permit number or approval number.		
b.	Volume of waste beneficially used in the previous year.		
	<input type="checkbox"/> cu yd	<input type="checkbox"/> gal	<input type="checkbox"/> lb <input type="checkbox"/> ton (check one)

SECTION D. CERTIFICATION

I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this Annual Report and all attached documents and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I verify that the submitted information is true, accurate and complete to the best of my knowledge. I understand that the submission of false information herein is made subject to the penalties of 18 Pa. C.S. §4904, relating to unsworn falsification to authorities, which include fine and imprisonment.

Check the following, if applicable:

I certify the information required in Section B-A, General Properties was supplied to the Department for the year _____ and has not changed.

Form Submitted: Form 26R
 Other (specify) _____

Date Submitted: _____

I certify the information required in Section B-B, Chemical Analysis was supplied to the Department for the year _____ and has not changed.

Form Submitted: Form 26R
 Other (specify) _____

Date Submitted: _____

I certify the information required in Section B-C, Process Description and Schematic, was supplied to the Department for the year _____ and has not changed.

Form Submitted: Form 26R
 Other (specify) _____

Date Submitted: _____

Name of Responsible Official _____ Title _____

Signature _____ Date _____

RESIDUAL WASTE CODES (RWC)

COMBUSTION RESIDUES

- 001 Coal-Derived Bottom Ash
- 002 Coal-Derived Fly Ash
- 003 Flue Gas Desulfurization Residue (Fgd)
- 004 Incinerator Bottom Ash
- 005 Incinerator Fly Ash
- 006 Incinerator Mixed Ash
- 007 Other Ash

METALLURGICAL PROCESS RESIDUES

- 101 Foundry Sand
- 102 Slag
- 103 Refractory Material
- 104 Grindings, Shavings
- 105 Ferrous Baghouse Dust
- 106 Non-Ferrous Baghouse Dust
- 107 Ferrous Scrap, Including Auto Recycle
- 108 Non-Ferrous Scrap
- 109 Sandblast Abrasive And Residue
- 110 Air Emission Control Dust
- 111 Lubricating Soaps
- 112 Mill Scales, Heat Treat Scales
- 113 Dross, Skims

SLUDGES, SCALES

- 201 Water Treatment Plant Sludge/Sediment
- 203 Industrial Wastewater Treatment
Sludge/Sediment Including Acid Mine Drainage
Sludge
- 204 Metallurgical Sludge
- 205 Food Processing Sludge
- 206 Paint, Coating Sludge And Scale
- 207 Tank Bottoms
- 208 Still Bottoms
- 209 Oily Sludge, Petroleum Derived
- 210 Air Emission Control Sludge
- 211 Other Industrial Sludge
- 212 Lime/Cement Kiln Scale, Residue
- 213 Lime-Stabilized Spent Pickle Liquor
- 214 Cooling Tower Sediment/Sludge

CHEMICAL WASTES

(Wastewaters Containing Chemicals, Cleaning Agents, Detergents, etc. are reported as 420)

- 301 Acidic Chemicals (pH<6)
- 302 Basic Chemicals (pH>8)
- 303 Combustible Chemicals, Non-Haz
- 304 Chemical Salts
- 305 Spent Activated Carbon
- 306 Surface Coatings (Solid/Semi Solid Paints,
Polishes, Adhesives, Inks, Cans Of Hardened
Paint)
- 307 Filter Media/Aids (Diatomaceous Earth, Ion
Exchange Resins, Silica Gels)
- 308 Spent Dyes
- 310 Detergents, Cleaning Agents
- 311 Off-Spec Products, Intermediates
- 312 Pharmaceutical, Biological (Mfg And Lab
Wastes)
- 313 Wax, Paraffin
- 314 Alcohols (Non-Haz)
- 315 Solvents (Non-Aqueous, Non-Haz)
- 316 Solvents (Aqueous, Non-Haz)
- 317 Glycols/Antifreeze, Machine Coolants
- 318 Photographic Chemicals (Non-Haz)
- 320 Spent Plating Baths (Non-Haz)
- 399 Other Chemical Wastes

GENERIC MANUFACTURING WASTES

- 401 Leather Wastes
- 402 Rubber, Elastomer Wastes
- 403 Wood Wastes (Scrap Lumber, Pallets, Particle
Board)
- 404 Paper, Laminated Paper, Cardboard
- 405 Textile Wastes (Yarn, Fabric, Fiber, Elastic)
- 406 Glass Waste (Cullet)
- 407 Polyethylene, Polystyrene, Polyurethane, Other
Non-Halogenated Plastics
- 408 Glass Reinforced Plastic
- 409 PVC, Teflon, CPE, Other Halogenated Plastics
- 410 Electronic Component Wastes (Off-Spec
Semiconductors, Circuit Boards)
- 411 Agricultural Wastes (Fertilizers, Pesticides,
Feed, Feed Supplements)
- 412 Photographic Wastes (Film, Photographic
Paper)

RESIDUAL WASTE CODES (RWC)

GENERIC MANUFACTURING WASTES (Continued)

- 413 Asphalt (Bituminous), Asphalt Shingles
- 414 Ceramic Waste
- 415 Linoleum Wastes
- 416 Thermal Insulation Wastes (Cellulose, Glass, Wool)
- 417 Wiring, Conduit, Electrical Insulation
- 418 Sawdust, Wood Shavings/Turnings
- 419 Empty Containers (Metallic, Non-Metallic Drums, Pails)
- 420 Process Wastewaters (Non-Haz) (Do Not Report Sanitary Sewage Or Uncontaminated Non-Contact Cooling Water)
- 421 Contaminated Non-Contact Cooling Waters
- 422 Oil/Water Emulsions, Oily Wastewaters
- 423 Landfill Leachate
- 424 Treated Wood, Railroad Ties
- 430 Food Waste (Excluding Wastewater Treatment Sludge)
- 440 Resins
- 450 Polymers (Other Than 407, 409)
- 460 Vinyl (Sheet, Upholstery)
- 470 Spent Filters (Air/Gas)
- 471 Spent Filters (Aqueous)
- 472 Spent Filters (Non-Haz Fuel, Oil, Solvent)
- 473 Paint Filters, Other Cloth/Paper Filters, Supersacs
- 474 Grease
- 480 Refractory (Furnace, Boiler) (Other Than 103)
- 481 Carbon/Graphite Residue/Scrap
- 482 Baghouse Dust (Other Than 105, 106)
- 483 Blasting Abrasive/Residue (Other Than 109)
- 484 Gypsum Plaster Molds, Drywall
- 499 Other Generic Waste

SPECIAL HANDLING WASTES

- 501 Asbestos Containing Waste (insulation, brake lining, etc.)
- 502 PCB containing waste
- 503 Oil Containing Waste (absorbant, rags)
- 504 Paints (Liquid)
- 505 Spent Catalysts

- 506 Contaminated Soil/Debris/Spill Residue (Non-petroleum) (Dredge Material, Water Intake Debris and Sediment, Coal Mill Rejects)
- 507 Waste Petroleum Material Contaminated Soil/Debris
- 508 Virgin Petroleum Fuel Contaminated Soil/Debris
- 509 Waste Oil That Is Not Hazardous Waste Oil (automotive, machining, cutting, etc.)
- 510 Waste Tires

INDUSTRIAL EQUIPMENT, MAINTENANCE WASTE/SCRAP

- 701 Pumps, Piping, Vessels, Instruments, Storage Tanks
- 702 Scrap From Maintenance And Product Turnaround
- 703 Batteries (Non-Haz)
- 704 Grinding Wheels, Sanding Disks, Polishing Belts, Welding Rods, Broken Tools
- 710 Plant Trash
- 799 Other Maintenance Waste

NON-COAL MINING WASTES

- 801 Drilling Fluids, Residuals

MISCELLANEOUS

- 901 Auto Shredder Fluff
- 902 Non-Hazardous Residue From Treatment Of Hazardous Waste (other than 203)
- 999 Other

DO NOT REPORT SANITARY SEWAGE OR UNCONTAMINATED NON-CONTACT COOLING WATERS.

DO NOT REPORT OFFICE, LUNCHROOM, RESTROOM WASTES

DO NOT REPORT CONSTRUCTION/DEMOLITION DEBRIS