CITY OF KINSTON, N.C.
DEPARTMENT OF PUBLIC SERVICES
WASTEWATER SURVEY FOR NONRESIDENTIAL ESTABLISHMENTS
APPLICATION FOR WASTEWATER DISCHARGE PERMIT

SECTION A - GENERAL INFORMATION

A.1. Company name, mailing address, and telephone number:

_____

_____

Zip Code _____ Telephone No. (_____) _____

A.2. Address of production or manufacturing facility (if same as above, check [ ]):

_____

_____

Zip Code _____ Telephone No. (_____) _____

A.3. Name, title, and telephone number of person authorized to represent this firm in official dealings with the Sewer Authority and/or City:

Name _____

Title _____

Telephone No. (_____) _____

A.4. Alternate person to contact concerning information provided herein:

Name _____

Title _____

Telephone No. (_____) _____

A.5. Identify the type of business conducted (auto repair, machine shop, warehousing, painting, printing, meat packing, food processing, etc.):

_____

Note to Signing Official: In accordance with Title 40 of the Code of Federal Regulations, Part 403, Section 403.14, information and data provided in this questionnaire which identifies the nature and frequency of discharge shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR, Part 2. Should a discharge permit be required for your facility, the information in this questionnaire will be used to issue the permit. You must notify the Department of Public Services, Wastewater Division, P.O. Box 339, Kinston, NC 28502, using company letterhead, of any changes in production, process, generation of waste or disposal of waste, as well as any other activities which could affect the POTW's ability to treat waste. This is to be signed by an authorized official of your firm after adequate completion of this form and review of the information by the signing official.

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

_____

Date SIGNATURE OF OFFICIAL

A.6. Provide a brief narrative description of the manufacturing, products, or services activities your firm conducts:

_____

_____

A.7. Provide the Standard Industrial Classification Number (s) (SIC) for your facilities:

_____

A.8. This facility generates the following types of wastes:

Water Used for	Water Source	Avg. gal/day	Max. gal/day	Measured	Estimated
	see Source List below				
Process water					
Washdown water					
Water into product					
Air Quality Permitted units					
Domestic- toilets, drinking, café					
Cooling water, Process NON-contact					
Boiler/Cooling tower blowdown					
Cooling water, HVAC					
Other					
Totals ➪					

Typical Water Sources:

1. City/Public supply
2. Private wells, drinking
3. Groundwater remediation wells
4. Private ponds
5. Surface water of NC, please identify
6. Include other if applicable

A.9. Wastes are discharged to (check all that apply):

Water Used for	Disposal Method	Avg. gal/day	Max. gal/day	Measured	Estimated
	(see Disposal List below)				
Process water					
Washdown water					
Water into product					
Air Quality Permitted units					
Domestic- toilets, drinking, café					
Cooling water, Process NON-contact					
Boiler/Cooling tower blowdown					
Cooling water, HVAC					
Other					
Totals ➪					

Possible Water Disposal Methods:

1. Sanitary sewer, with pretreatment
2. Sanitary sewer, without pretreatment
3. Storm sewer
4. Surface waters of NC
5. Evaporation
6. Land applied
7. To groundwater
8. Septic Tanks
10. Water into Product
11. Include others, if applicable

A.10. Is a Spill Prevention Control and Countermeasure Plan prepared for the facility?

Yes ( ) No ( )

A.11. Do you have a NPDES permit from the State of North Carolina to discharge to the storm sewer or surface water of North Carolina?

Yes ( ) No ( )

A.12. Has this facility ever been considered a Categorical Industrial User (CIU) as described by the Code of Federal Regulations (40 CFR)?

If Yes, give complete 40 CFR number _____
No _____

Note: If your facility checked only Domestic water, Cooling water (NON-contact), and Boiler/Cooling tower blowdown, then you do not need to complete any further sections in this survey/application. If any other items listed were checked, complete the remainder of this survey/application.
If not sure or in doubt, complete the remainder of this survey/application.

SECTION B - FACILITY OPERATION CHARACTERISTICS

B.1. Number of employee shifts worked per 24- hour day: _____

Average number of employees per shift: _____

Number of days worked per week: _____

B.2. Staring times of each shift:

1st. _____ am pm 2nd. _____ am pm 3rd. _____ am pm

B.3. Principal product produced: _____

B.4. Raw materials and process additives used:

_____

_____

B.5. Production process is:

( ) Batch ( ) Continuous ( ) Both _____% batch _____% continuous

Average number of batches per 24-hour period: _____

B.6. Hours of operation: _____ am to _____ pm ( ) continuous

B.7. Is production subject to seasonal variation?

( ) Yes ( ) No

If yes, briefly describe seasonal production cycle:

_____

_____

B.8. Are any process changes or expansions planned during the next three years?

( ) Yes ( ) No

If yes, please describing the nature of planned changes or expansions:

SECTION C - CATEGORICAL INFORMATION:

C.1. Check any activities listed below that are performed at your facility:

Check below	40 CFR#	Industrial Activity	Check below	40 CFR#	Industrial Activity
	467	Aluminum Forming		432	Meat products
	427	Asbestos Manufacturing		433	Metal finishing
	461	Battery Manufacturing		464	Metal molding and casting
	431	Builders paper & board mills		436	Mineral mining and processing
	407	Canned & preserved fruits & veg.		471	Nonferrous Metal, Form & Powders
	408	Canned & preserved seafood		421	Nonferrous Metals Manufacturing
	458	Carbon black Manufacturing		414	OCPSF, Organic Chemicals, Plastics, & Synthetic Fiber Manufacturing
	411	Cement Manufacturing			
	434	Coal Mining		435	Oil & gas extraction
	465	Coil Coating		440	Ore mining and dressing
	468	Copper Forming		446	Paint formulating
	405	Dairy products processing		443	Paving and roofing materials Mfg.
	469	Electrical, electronic components		455	Pesticide Manufacturing
	413	Electroplating		419	Petroleum Refining
	457	Explosives Manufacturing		439	Pharmaceutical Manufacturing
	412	Feedlots		422	Phosphate Manufacturing
	424	Ferro allay Manufacturing		459	Photographic supplies
	418	Fertilizer Manufacturing		463	Plastics molding and forming
	464	Foundries, Metal Mold & Casting		466	Porcelain enameling
	426	Glass Manufacturing		430	Pulp, paper, and paperboard
	406	Grain mills		428	Rubber Manufacturing
	454	Gum & Wood Chemicals Mfg.		417	Soap & Detergent Manufacturing
	460	Hospitals		423	Steam Electric power Generation
	447	Ink formulating		409	Sugar processing
	415	Inorganic chemical Manufacturing		410	Textile Mills
	420	Iron & Steel Manufacturing		429	Timber products processing
	425	Leather Tanning & Finishing		Others	

C.2. Pretreatment Facilities:

Are there any pretreatment devices or processes used for treating wastewater before being discharged to the sewer? Check all that are present, and describe.

1. Flow equalization	No pretreatment facilities =>	
	Aerated equalization =>	
	NON-Aerated equalization =>	
	Total volume of equalization (million gallons) =>	

2.	Activated Carbon	Yes		No	Describe any, if present.
3.	Activated Sludge	Yes		No	
4.	Air Stripping	Yes		No	
5.	Centrifugation	Yes		No	
6.	Chemical Precipitation	Yes		No	
7.	Chlorination	Yes		No	
8.	Cyanide Destruction	Yes		No	
9.	Cyclone	Yes		No	
10.	Dissolved Air Floatation	Yes		No	
11.	Filtration	Yes		No	
12.	Flocculation	Yes		No	
13.	Grease Trap	Yes		No	
14.	Grit Removal	Yes		No	
15.	Ion Exchange	Yes		No	
16.	Neutralize, pH adjust	Yes		No	
17.	Other Biological Treatment	Yes		No	
18.	Ozonation	Yes		No	
19.	Reverse Osmosis	Yes		No	
20.	Screening	Yes		No	
21.	Sedimentation	Yes		No	
22.	Septic Tank	Yes		No	
23.	Silver Recovery	Yes		No	
24.	Solvent Separation	Yes		No	
25.	Spill protection	Yes		No	
	List any others.				

C.3. New Industries Only:
If any wastewater analyses have been performed on the wastewater discharge(s) from your facilities, attach a copy of the most recent data to this questionnaire. Be sure to include the date of the analysis, name of laboratory performing the analysis, and location(s) from which sample(s) were taken (attach sketched, plans, etc. as necessary).

C.4. New Industries Only:

Wastewater Characteristics:

PARAMETER (mg/L)	NORMAL	MAXIMUM	MINIMUM
BOD			
TSS			
COD			
NH3			
OIL & GREASE			
CYANIDE			
LEAD			
CADMIUM			
CHROMIUM			
COPPER			
NICKEL			
ZINC			
pH (units)			
TEMPERATURE (C)			
FLOW (MGD)			
TOTAL PO4			

SECTION D - OTHER WASTES

D.1. Are any liquid wastes or sludges from this firm disposed of by means other than discharge to the sewer system?

( ) Yes ( ) No

If "No" skip remainder of Section D.
If "Yes" complete the remainder of Section D.

D.2. These wastes may best be described as:

WASTES	ESTIMATED DISCHARGE	POUNDS OR GALLONS
Acids and Alkalies		
Heavy Metals Sludges		
Inks/Dyes		
Oil and/or Grease		
Organic Compounds		
Paints		
Pesticides		
Plating Wastes		
Pretreatment Sludges		
Solvent/Thinner		
Other Hazardous Wastes (specify)		
Other Wastes (specify)		

D.3. For the above waste, provide the name and address of the waste hauler (s):

_____
_____
_____
_____

D.4. For the wastes generated in part D.2., does your company practice:

( ) on-site storage ( ) on-site disposal
( ) off-site storage ( ) off-site disposal

D.5. Is your facility a Hazardous Waste Generator?

( ) No ( ) small generator ( ) large generator

D.6. Please provide the name of the hazardous waste hauler(s) contracted or to be contracted by your company for hazardous waste disposal:

_____
_____
_____

D.7. Does your facility have a RCRA (Resource Conservation & Recovery Act) Permit?

( ) Yes ( ) No

D.8. Does your facility have the Hazardous Chemicals Right to Know Act, NC General Statutes 95-173-95-218?

( )Yes ( ) No

A. If your answer is "no" and your company is located in the City of Kinston or County of Lenoir, please contact the Lenoir County Emergency Management Office for information.
B. If you answer is "yes", does the General Statute apply to your company?
C. If the Hazardous Chemical Right to Know Act applies to your company, submit the information as required by law to the Fire Prevention Bureau (Haz Mat Team).

D.9. Do you have any underground storage tanks at your facility?

( ) Yes ( ) No

If your answer is "yes", what product(s) and/or wastes are stored in these tank(s)? What volume are these tanks?

_____
_____

Is there provision for Groundwater Monitoring?

( ) Yes ( ) No

D.10. Do you have any above ground storage tanks at your facility?

( ) Yes ( ) No

If your answer is "yes", what product(s) and/or wastes are stored in these tank(s)? What volume are these tanks?

_____

_____

Is there provision for Spill Containment?

( ) Yes ( ) No

If your answer is "yes", provide the percent containment capabilities for each chemical stored.

_____

_____

_____

_____

_____

_____

E.1 NEW INDUSTRIES ONLY:

Please submit with this application a detailed drawing of your facilities process lines and wastewater drains and flows.

F.1. WASTEWATER POLLUTANT CHECKLIST

Chemical Name	EPA Storet Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Acid Extractable Organics						
2-Chlorophenol	34586					
2,4-Dichlorophenol	34601					
2,4-Dimethylphenol	34606					
2,4-Dinitrophenol	34616					
2-Methyl-4,6-dinitrophenol	34657					
4-Chloro-3-methylphenol	34452					
2-Nitrophenol	34591					
4-Nitrophenol	34646					
Pentachlorophenol	39032					
Phenol	34694					
2,4,6-Trichlorophenol	34621					
Base Neutral Organics						
1,2,4-Trichlorobenzene	34551					
1,2-Dichlorobenzene	34536					
1,2-Diphenylhydrazine	34346					
1,3-Dichlorobenzene	34566					
1,4-Dichlorobenzene	34571					
2,4-Dinitrotoluene	34611					
2,6-Dinitrotoluene	34626					
2-Chloronaphthalene	34581					
3,3-Dichlorobenzidine	34631					
4-Bromophenyl phenyl ether	34636					
4-Chlorophenyl phenyl ether	34641					
Acenaphthene	03405					
Acenaphthylene	34200					
Anthracene	34220					
Benzidine	39120					
Benzo (a) anthracene	34526					
Benzo (a) pyrene	34247					
Benzo (b) fluoranthene	34230					
Benzo (ghi) perylene	34521					
Benzo (k) fluoranthene	34242					
Bis(2-chloroethoxy) methane	34278					
Bis(2-chloroethyl) ether	34273					
Bis(2-chloroisopropyl) ether	34283					
Bis(2-ethylhexyl) phthalate	39100					
Butyl benzyl phthalate	34292					
Chrysene	34320					
Di-n-butyl phthalate	39110					

Chemical Name	EPA Storet Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Base Neutral Organics (continued)						
Di-n-octyl phthalate	34596					
Dibenzo (a,h) anthracene	34556					
Diethyl phthalate	34336					
Dimethyl phthalate	34341					
Fluoranthene	34376					
Fluorene	34381					
Hexachlorobenzene	39700					
Hexachlorobutadiene	34391					
Hexachlorocyclopentadiene	34386					
Hexachloroethane	34396					
Indeno(1,2,3-cd) pyrene	34403					
Isophorone	34408					
N-nitroso-di-n-propylamine	34428					
N-nitrosodimethylamine	34438					
N-nitrosodiphenylamine	34433					
Naphthalene	34696					
Nitrobenzene	34447					
Phenanthrene	34461					
Pyrene	34469					
Metals						
Aluminum	01104					
Antimony	01097					
Arsenic	01002					
Barium	01007					
Beryllium	01012					
Cadmium	01027					
Chromium	01034					
Copper	01042					
Lead	01051					
Lithium & compounds						
Mercury	71900					
Molybdenum	01062					
Nickel	01067					

Chemical Name	EPA Storet Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Metals (continued)						
Selenium	01147					
Silver	01077					
Thallium	00982					
Vanadium						
Zinc	01092					
Inorganics						
Ammonia						
Asbestos						
Boron & compounds						
Carbon disulfide						
Chloride						
Cyanide						
Fluoride						
Hydrofluoric acid & compounds						
Nitrate as N						
Pesticides						
Acrolein						
Aldrin						
BHC (Alpha)						
BHC (Beta)						
BHC (Gamma)						
BHC (Delta)						
Chlordane						
DDD						
DDE						
DDT						
Dieldrin						
Endosulfan (Alpha)						
Endosulfan (Beta)						
Endosulfan sulfate						
Endrin						
Endrin aldehyde						
Heptachlor						
Heptachlor epoxide						

Chemical Name	EPA Storet Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Pesticides (continued)						
Isophorone						
TCDD (Dioxin)						
Toxaphene						
Pyrethrin						
Organotin compounds						
Alcohols						
Methanol						
Esters						
Vinyle acetate						
Ethylmethane sulfonate						
Others:						
Ketones						
Acetone						
Ketone methylethyl						
Aldehydes						
Formaldehyde						
Radioactive Isotopes						
Please List:						

Chemical Name	EPA Storet Code	Check if Present at Facility	Check if Absent at Facility	Check if Present in Discharge	Check if Absent in Discharge	Concentration in Discharge, if Known (mg/l)
Purgeable Volatile Organics						
1,1,1-Trichloroethane	34506					
1,1,2,2-Tetrachloroethane	34516					
1,1,2-Trichloroethane	34511					
1,1-Dichloroethane	34496					
1,1-Dichloroethylene	34501					
1,2-Dichloroethane	34531					
1,2-Dichloropropane	34541					
2-Chloroethyl vinyl ether	34576					
Acrolein	34210					
Acrylonitrile	34215					
Benzene	34030					
Bromodichloromethane	32101					
Bromoform	32104					
Bromomethane	34413					
Carbon tetrachloride	32102					
Chlorobenzene	34301					
Chloroethane	34311					
Chloroform	32106					
Chloromethane	34418					
cis 1,3-Dichloropropene	34704					
Dibromochloromethane	32105					
Ethylbenzene	34371					
Methylene chloride	34423					
Tetrachloroethylene	34475					
Toluene	34010					
trans 1,3-Dichloropropene	34699					
trans-1,2-Dichloroethylene	34546					
Trichloroethylene	39180					
Trichlorofluoromethane	34488					
Vinyl chloride	39175					
Any chemical that could cause interference or pass through at the POTW						
Please List:						

G.1. WASTE REDUCTION INFORMATION:

State Pretreatment Rule 15A NCAC 2H.0916 (c)(1)(M) requires Significant Industrial Users to include a description of current and projected waste reduction (pollution prevention) activities. The coded listed are standard EPA coded found on Toxic Release Inventory and other environmental forms. Please check all applicable codes for your facility related to wastewater discharge.

Current	Projected	Code	Description
		W13	Improved maintenance scheduling, record keeping, or procedures
		W14	Changed production schedule to minimize equipment and feedstock changeovers
		W19	Other changes in operating practices (explain briefly in comments)
		W21	Instituted procedures to ensure that materials do not stay in inventory beyond shelf-life
		W22	Began to test outdated material-continue to use if still effective
		W23	Eliminated shelf-life requirements for stable materials
		W24	Instituted better labeling procedures
		W25	Institutes clearinghouse to exchange materials that would otherwise be discarded
		W29	Other changes in Inventory control (explain briefly in comments)
		W31	Improved storage or stacking procedures
		W32	Improved procedures for loading, unloading and transfer operations
		W33	Installed overflow alarms or automatic shutoff valves
		W34	Installed secondary containment
		W35	Installed vapor recovery systems
		W36	Implemented inspection or monitoring program of potential spill or leak sources
		W39	Other Spill and leak prevention (explain briefly in comments)
		W41	Increase purity of raw materials
		W42	Substitutes raw materials

WASTE REDUCTION (continued)

		W49	Other raw material modifications (explain briefly in comments)
		W51	Instituted recirculation within process
		W52	Modified equipment, layout, or piping
		W53	Use of a different process catalyst
		W54	Instituted better controls on operating bulk containers to minimize discarding of empty containers
		W55	Changed from small volume containers to bulk containers to minimize discarding of empty containers
		W58	Other process modifications (explain briefly in comments)
		W59	Modified stripping/cleaning equipment
		W60	Changed to mechanical stripping/cleaning devices (from solvents or other material)
		W61	Changed to aqueous cleaners (from solvents or other materials)
		W62	Reduced the number of solvents used to make more amenable to recycling
		W63	Modified containment procedures for cleaning units
		W64	Improved draining procedures
		W65	Redesigned parts racks to reduce dragout
		W66	Modified or installed rinse systems
		W67	Improved rinse equipment design
		W68	Improved rinse equipment operation
		W71	Other cleaning and degreasing operation (explain briefly in comments)
		W72	Modified spray systems or equipment
		W73	Substituted coating materials used
		W74	Improved application techniques
		W75	Changed from spray to other system
		W78	Other surface preparation and finishing (explain briefly in comments)

WASTE REDUCTION (continued)

		W81	Changed product specifications
		W82	Modified design or composition of product
		W83	Modified packaging
		W89	Other product modifications (explain briefly in comments)
		W99	Other (specify in comments)

Comments (Please list corresponding code)