Four Rivers Sanitation Authority

3501 Kishwaukee Street, Rockford IL 61109-2053

WASTEWATER DISCHARGE PERMIT APPLICATION

Pursuant to the provisions of all applicable ordinances of the Four River Sanitation Authority, significant industrial users discharging into the Authority must apply for a Wastewater Discharge Permit if any of the following conditions are met:

- 1. The User has a discharge process flow of 25,000 gallons or more per average workday, or
- 2. The User has a discharge flow greater than 5% of the flow in the Authority's wastewater treatment system, or
- 3. The User's wastewater contains toxic pollutants as defined pursuant to Section 307 of the Act or State Statutes and Rules, or
- 4. Authority, IEPA, or USEPA finds the User's wastewater has a significant impact, either singly or in combination with other contributing industries, on the wastewater treatment system, the quality of sludge, the system's effluent quality, or air emissions generated by the system.
- 5. The User is a member of the National Categorical Pretreatment Standards promulgated by the USEPA in accordance with Section 307(b) and (c) of the Act, and 40 CFR Part 403.6 which applies to industrial users. For purposes of this section, "process wastewater" excludes sanitary, non-contact cooling and boiler blow down wastewater.

SECTION I GENERAL INFORMATION

_							
Orga	nization of Business (sole proprietorship, partnership, or corporation)						
•	If sole proprietorship, give name of owner and assumed name, if different than answer to IA above.						
2.	If partnership, give names of general partners and assumed name, if different than answer to IA above.						
3.	If corporation, give state in which incorporated and the name and address of registered agent.						
Busii	ness Address						
Stree	ctCity						
State _.	Zip Code						
State Loca	Zip Codetion of facility discharging wastewater.						
State Loca	Zip Code						
State Loca Stree	Zip Codetion of facility discharging wastewater.						
State Loca Stree Perso	Zip Code						
State Loca Stree Perso	zip Code						
State Loca Stree Perso Name	zip Code						
State Loca Stree Perso Name Phon Fax N	zip Code tion of facility discharging wastewater. tCity on Completing This Application: eTitle te						
State Loca Stree Perso Name Phon Fax M	zip Code						

E-Mail sample data results to the contact at the e-mail address indicated: Yes _____ No____

SECTION II WASTEWATER FLOW RATES

A. The following wastewater flow rates <u>to the sanitary sewer</u> are to be provided by the Industrial User and must be physically measured unless other verifiable techniques are approved by the Four River Sanitation Authority due to cost or non-feasibility.

Maximum Daily Flow to the Sanitary Sewer (Gals/Day)	Annual Daily Average Flow to the Sanitary Sewer (Gals/Day)

WATER USE AND DISPOSAL

Show the estimated average quantity of water received and wastewater discharged daily.

			Discharged To			
	Supply From		FRSA		Other	
Water Used For	Gals/Day	Source (1)	Gals/Day	Gals/Day	Discharge To (2)	
Sanitary						
Process						
Cooling						
Lawn Sprinkling						
Boiler						
Scrubber Water (Air Pollution Control)						
Other (3)						
Total Gal/Day						

	/1	`	T		1. 1.4		41
ı	()	Enter the	annronriaie	code lettei	r indicating	the source:

- a. Rockford Water Department
- b. Loves Park Water Department
- c. North Park Water Department
- d. Private Well
- e. Recycled or Reclaimed water
- f. Other
- (2) Enter the appropriate code letter indicating the discharge point
 - a. Surface Waters
 - b. Storm Sewer
 - c. Product
 - d. Evaporation
 - e. Hauled by Wastewater Hauler

(3)	Other: (Please describe)
` /	

SECTION III RAW MATERIALS AND CHEMICALS

A. Give technical and common names of raw materials and chemicals that are used in the manufacturing or other industrial processes which are used or stored on-site. MSDS sheets for chemicals identified in this section must be available for FRSA review upon request. (For expanded list, add additional sheets)

TECHNICAL NAME	COMMON NAME	QUANTITY (units)

B. Nature and Concentration of Pollutants in Wastewater Discharge

Attach a copy of an analytical report for non-pesticide organic compounds using Method 624 and 625.

Are any of the following pollutants present or suspected of being present in the wastewater discharged to the sanitary sewer? If yes, indicate which ones by completing the appropriate box(s).

List the time frame for which the above data was collected (Examples: Calendar year 2000, or specific time frame: 4/1/06 through 3/31/07:

FROM DATE:	TO DATE:

POLLUTANT		EVED SENT	NUMBER OF ANALYSES (PAST YEAR)(1)	MAXIMUM DAILY VALUE (PAST YEAR)(1)	AVERAGE OF ANALYSES (PAST YEAR)	UNITS CONC.
	YES	NO				
BOD ₅						
COD						
Chloride						
Fluoride						
Ammonia						
FOG (Fats, Oils & Grease)						
TSS (Total Suspended Solids)						
Sulfide (S)						
Sulfite (SO ₃)						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Chromium (T)						
Chromium ⁺⁶						
Copper						
Cyanide						
Lead						
Manganese						
Mercury						
Nickel						
Selenium						
Silver						

POLLUTANT		EVED SENT	NUMBER OF ANALYSES (PAST YEAR)(1)	MAXIMUM DAILY VALUE (PAST YEAR)(1)	AVERAGE OF ANALYSES (PAST YEAR)	UNITS CONC.
	YES	NO				
Thallium						
Zinc						
Iron						
Molybdenum						

Analytical methods shall conform to 40 CFR Part 136.

SECTION IV PROCESS ACTIVITIES

Metal Finishing - 40 CFR, 433

__Other Abrasive Jet Machining

___Electrical Discharge Machining

Indicate by placing a check in front of those process activities, which occur at the facility for which this permit application is submitted.

__Electroplating *

___Electroless Plating *

Electrochemical Machining Anodizing * Conversion Coating * Electron Beam Machining ___Etching & Chemical Milling * __Laser Beam Machining Printed Circuit Board Manufacturing * Cleaning ___ Machining __Plasma Arc Machining ___ Grinding ___Ultrasonic Machining ___ Polishing ___Sintering ___ Tumbling (Barrel Finishing) ___Laminating ___Hot Dip Coating ___ Mechanical Plating ___ Burnishing ___Sputtering __Impact Deformation ___Vapor Plating Pressure Deformation ___Thermal Infusion ___Shearing ___Salt Bath Descaling ___Heat Treating __Solvent Degreasing ___Thermal Cutting ___Paint Stripping ___Welding ___Painting ___Brazing ___Electrostatic Painting ___Soldering ___Electropainting ___Flame Spraying ___Vacuum Metalizing __Sand Blasting ___Assembly __ Testing __Calibration * If the facility conducts one or more of these "core" processes, it is subject to the Metal Finishing Point Source Category. If none of these processes are conducted, then the facility is not subject to the Metal Finishing Point Source Category.

SECTION IV PROCESS ACTIVITIES (cont'd)

TEXTILE MILLS - 40 CFR, 410	PULP & PAPERBOARD MILLS	DAIRY PRODUCTS
Wool Scouring	<u>& CONVERTED PRODUCTS</u> - 40 CFR, 431	Creamery Butter
Low Water Use Processing	Integrated Mills	Condensed & Evaporated Milk
Wood Finishing	Non-Integrated Mills	Fluid Milk
Woven Fabric Finishing	Secondary Fiber Mills	Cheese, Natural & Processed
Knit Fabric Finishing		Ice Cream & Frozen Desserts
Stock and Yarn Finishing	PHARMACEUTICAL MANUFACTURE - 40 CFR, 439	
Carpet Finishing	Fermentation Products	EXPLOSIVES MANUFACTURE
Non-Woven Manufacturing	Chemical Synthesis Products	Manufacture of Explosives
	Formulation Products	Lap of Explosives
ELECTROPLATING - 40 CFR, 413	Biological & Natural Extraction Products	Formulation & Packaging of
Common Metals Plating	Pharmaceutical Research	Blasting Agents, Dynamite
Printed Circuit Board Mfgrs.		and Pyrotechnics
Precious Metals Plating	PAINT & INK FORMATION - 40 CFR, 446	Manufacture and Lap of Igniting
-	Water-Wash and/or Caustic Wash	Compounds
ORGANIC CHEMICALS, PLASTICS,	Solvent-Wash	•
AND SYNTHETIC FIBERS - 40 CFR, 414	(Solvent base Solvent wash) FOU	NDRIES
General		Iron & Steel Foundries
Rayon Fibers	PESTICIDES CHEMICALS - 40 CFR, 455	Zinc Castings
Other Fibers	Organic Pesticides	Magnesium Casting
Thermoplastics Resins	Mettalo - Organic Pesticides	Tin Castings
Thermosteeling Resins	Pesticides Chemicals Formulating & Pkg.	Nickel Castings
Commodity Organic Chemicals	Test Methods for Non-conventional	Aluminum Castings
Commodity Organic Chemicals		_
INODCANIC CHEMICALS MEC. 40 CED. 415	Pesticide Pollutants	Copper Castings
INORGANIC CHEMICALS MFG - 40 CFR, 415	DI ACTIC MOI DINC & FORMING 40 CED 4/2	Lead Castings
Alkalines & Chlorine Mfg.	PLASTIC MOLDING & FORMING - 40 CFR, 463	Titanium Casting
Inorganic Pigments	Contact Cooling & Heating	
Industrial Gases	Cleaning Water	<u>HOSPITALS</u>
	Finishing Water	General Medical &
IRON & STEEL MANUFACTURING - 40 CFR, 420		Surgical Hospitals
Cokemaking	METAL MOLDING & CASTING - 40 CFR, 464	Psychiatric Hospitals
Sintering	Aluminum Casting	Specialty Hospitals
Ironmaking	Copper Casting	
Steelmaking	Ferrous Casting	OTHER - 40 CFR
Vacuum Degassing	Zinc Casting	
Continuous Casting	·	
Hot Forming	<u>CAN MAKING</u> - 40 CFR, 465	
Scale Removal	<u> </u>	
Acid Pickling		
Cold Forming	COIL COATING - 40 CFR, 465	
Alkaline Cleaning	Coil Coating on Steel	
Hot Coating	Coil Coating on Aluminum	
Not Coating	Coil Coating on Zinc Coated	
NON-FERROUS METALS MFG - 40 CFR, 421	Steel (Galvanized)	
·	Steel (Galvanized)	
Primary Aluminum	DODGEL A DI ENIAMEL DIG. 40 CED 466	
Primary Columbium	PORCELAIN ENAMELING - 40 CFR, 466	OTHER NON CATEGORICAL
Primary Copper	Porcelain Enameling on Steel	OTHER - NON-CATEGORICAL
Primary Lead	Porcelain Enameling on Cast Iron	
Secondary Silver	Porcelain Enameling on Aluminum	
Primary Zinc	Porcelain Enameling on Copper	
Secondary Aluminum		
Primary Tantalum	ELECTRIC & ELECTRONIC COMPONENTS	<u>S</u> - 40 CFR, 469
Secondary Copper	Cathode Ray Tube	
Secondary Lead	Luminescent Materials	
Primary Tungsten		
Primary Cadmium	NON-FERROUS METALS FORMING & METAL POWI	DERS
•	40 CFR, 471	
LEATHER TANNING AND FINISHING - 40 CFR, 42	·	Subpart F – Titanium Forming
Hair Pulp/Chrome Tan/Retan-Wet Finish	Subpart B – Magnesium Forming	Subpart G – Uranium Forming
Hair Save/Non-Chrome Tan/Retan-Wet Finish	Subpart C – Nickel-Cobalt Forming	Subpart H – Zinc Forming
No Beamhouse	Subpart C = Nickel-Cobait Forming	Subpart I – Zinc Forming Subpart I – Zirconlum-Hafnium Forming
Shearing	Subpart E – Refractory Metals Forming	Subpart J – Metal Powders
<u> </u>	Subpart L - Refractory Metals Politing	Subpart 3 – Miciai i Owucis
Hair Save/Chrome Tan/Retan-Wet Finish Retan-Wet Finish	AUTO & OTHER I AUMIDING	
	AUTO & OTHER LAUNDRIES Power Laundries	Linon Cupple.
Through-the-Blue	Power Laundries	Linen Supply
	Diaper Service	Coin-Operated Laundries & Dry Cleaning
	Dry Cleaning Plants, Except Rug Cleaning	Carpet & Upholstery Cleaning

_ Car

Wash

Establishments

__ Industrial Laundries

SECTION V WASTEWATER DISCHARGE INFORMATION

	e a narrative description of the location of the sampling manhole used to monitor the facility's wastewater decompliance with the local limits and/or National Categorical Pretreatment Standards:
Nive	when of amplexace
	nber of employees:
a.	Average annual number of employees
Prov	vide the following wastewater flow-rate information. (New facilities may estimate)
a.	Indicate the number of hours/day discharged (Example: 8 [hours/day]):
	M TF SAT SUN
b.	Indicate the hours of discharge per day. (Example: 7 am - 3 pm):
	M T W T F SAT SUN
c.	Peak hourly flow rate (GPH):
d.	Maximum daily flow rate (GPD):
e.	Annual daily average (GPD)
	atch discharge occurs or will occur, indicate: [New facilities may estimate]
a.	Number of batch discharges per day
b.	Average discharge per batch(GPD)
	Time of batch discharges at

CATEGORICAL	AVERAGE	MAXIMUM	e estimates for each discharge TYPE OF DISCHARGE	LIST AREA IN WH
PROCESS	FLOW (GPD)	FLOW (GPD)	(batch, continuous, none)	PROCESS WATE DISCHARGES FR
LOCAL LIMIT REGULATED PROCESS	AVERAGE FLOW (GPD)	MAXIMUM FLOW (GPD)	TYPE OF DISCHARGE (batch, continuous, none)	LIST AREA IN WH PROCESS WATI DISCHARGES FR
AIR SCRUBBER WATER				
UNREGULATED PROCESS	AVERAGE FLOW (GPD)	MAXIMUM FLOW (GPD)	TYPE OF DISCHARGE (batch, continuous, none)	LIST AREA IN WE PROCESS WATI DISCHARGES FR
Sanitary				
Boiler Blow Down				
Cooling Water				
Other (List)				
			he next three years that could air or water pollution treatment	
[] Yes [] No (skip quest	tion H)			
Describe briefly these of if needed)	changes and their	effects on the wast	ewater volume and characteris	tics: (Attach additional

I.	Are any water recovery systems in use or planned?
	[] Yes [] No (skip question J)
J.	Describe briefly the flow allocation, water reuse, process flows, domestic flow and discharge points. Submit a flow diagram for the facility: (See Wastewater Discharge Permit Application Instructions, Figure 1 for example flow diagram.)
K.	Is any waste minimization/recycling conducted at your facility?
[]	Yes No (skip question L)
L.	Describe briefly the process of waste/minimization/recycling conducted
	SECTION VI <u>WASTEWATER TREATMENT</u>
A.	Are any forms of wastewater treatment (see C below) practiced at this facility?
	[] Yes [] No
B.	Are any forms of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the next three years?

	[] Yes [] No			
C.		used or proposed for trea	ating wastewate	er or sludge (check as many as appropriate)
	[] Air flotation [] Centrifuge [] Chemical Precipitation [] Chlorination [] Chrome Reduction, ty [] Cyanide Destruction, [] Cyclone [] Filtration [] Flow Equalization [] Grease or Oil Separati [] Grease Trap [] Grinding filter	rpe type		Grit Removal Ion Exchange Neutralization, pH correction Ozonation Reverse Osmosis Screen Sedimentation Solvent Separation Ultrafiltration Other Chemical Treatment, type Other Physical Treatment, type
D.	Description			
E.		ample Process Flow Di	agram.) Inclu	. (See Wastwater Discharge Permit Application de process equipment, by-products, by-producing conditions.
F.	Describe any changes in treatrethe sanitary sewer. Please inclu			der construction for the wastewater discharge to N/A
G.	Do you have a treatment operat Is the treatment operator IEPA			
H.	Do you have a manual on the c	orrect operation of your t	reatment equipr	ment?
	[] Yes [] No [] N/A		

I.	Do yo	u have a v	vritten mai	ntenanc	e schedul	e for you	r treatme	nt equipn	nent?				
	[]	Yes	[] No) []	N/A								
				EACH			TION V		ovenic.	DICC			
				FACIL	ITIES O	<u>PERA I I</u>	ONAL C	HAKAU	<u>lekis</u>	<u>11CS</u>			
A.	Opera	ting Scheo	lule										
	1.	Shift In	nformation										
		a.	Indicate	with a	check ma	rk the wo	rk days y	ou opera	te.				
			Work D	ays Mon.	[] Tues.	[] Wed.	[] Thur.	[] Fri.	[] Sat.	[] Sun.	[]		
		b.	Indicate	below t	he numbe	er of shift	s per day	; i.e.: 1,	2, etc.				
			# Shifts	Mon.	[] Tues.	[] Wed.	[] Thur.	[] Fri.	[] Sat.	[] Sun.	[]		
	2.	Indicat	e whether	the facil	ity discha	arge is:							
		[]			ough the y		year (bel	ow) duri	ng which	the busin	ess activ	vity occurs	s:
		J	F	M	A	M	J	J	A	S	O	N	D
		COMN	MENTS:										
	3.	Does o	peration sl	nut dow	n for vaca	ition, mai	intenance	, or other	reasons?	,			
		[]	Yes, ind	licate rea	asons and	period w	hen shut	down occ	curs:				
						-							
		[]	No										
D	a :11 F												
B.	_	Prevention											
	1.	Do you quant		nical sto	orage con	tainers, b	ins, drum	s, bags, t	otes, etc.	or ponds	at your f	acility? (Excluding lab
		[]	Yes, De No	scribe:_									
	2.	If you follow		nical sto	orage con	tainers or	r bins in	manufact	turing are	ea, would	a spill o	lischarge	to any of the
		[]	On-site [] []		sanitary s	sewer sys	tem (e.g.,	through	a floor d	rain)			

[]	Other, specify: Not applicable, no possible discharge to any of the above routes
•	have a Slug Control Plan to prevent spills of chemicals or slug discharges from entering the FRSA's on systems?
[]	Yes (please enclose a copy with the application)
[]	[] No N/A, not applicable since there are no floor drains and/or the facility discharge(s) only domestic wastes.
	tegorical Users Subject to Total Toxic Organic (TTO) and Non-Categorical industrial users subject to Reactive Organic Pollutants (TROP) and Total Organic Priority Pollutants of Concern (TOPPOC) ments:
a.	Does (or will) this facility use any of the toxic organics that are listed under the TTO standard of the applicable categorical pretreatment standards published by EPA or the TOPPOC and TROP definition found in Authority Code of Ordinances, Title 2?
	[] Yes [] No [] N/A
b.	Has a Baseline Monitoring Report (BMR) been submitted which contains TTO information?
	[] Yes [] No [] N/A
c.	Has a Toxic Organic Management Plan (TOMP) a/k/a Organic Solvent Management Plan (OSMP) been developed?
	[] Yes [] No [] N/A
Discharg	ge Information
-	u have, or plan to have, automatic sampling equipment or continuous wastewater flow metering nent at this facility?
	t: Flow Metering [] Yes [] No [] N/A ng Frequency [] Yes [] No [] N/A
	d: Flow Metering [] Yes [] No [] N/A ng Frequency [] Yes [] No [] N/A
: :	cate the present or future location of this equipment on the sewer schematic and describe the equipment
	Do you collectiful and the

[]

To ground

2. Plant Diagram (Site Plan)

Building Layout: Draw to scale the location of each building on the premises. Show map orientation and location of all water meters, storm drains, numbered unit processes (from schematic flow diagram), public sewers, and each facility sewer line connected to the public sewers. Number each sewer and show existing and proposed sampling locations. Draw below or attach a drawing a separate page(s): (See Wastewater Discharge Permit Application Instructions, Figure 3, for example Site Plan.)

SECTION VIII WASTE DISPOSAL

				DISPOSAL	METHOI
WASTE	GENERATED	QUANTI	ΓY (PER YEAR)	On-Site	Off-Site
f any of your was	tes are sent to an off-s	site facility, iden	tify the respective	waste and the facility	V.
		<u>,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, </u>		FACILITY	,
	WASTE			FACILITY	
	ransports any of the all	bove listed waste			
	ransports any of the a			(s) and address(s) of a	
	ransports any of the a			(s) and address(s) of a	
ist all environmen	ransports any of the a	PERM PERM	y in which a disc	(s) and address(s) of a ADDRES	SS

SECTION IX **COMPLIANCE CERTIFICATION**

Are all applicable	Federal, State, or local pretreatment standards and requirements being met on a consistent ba	asis?
[] Yes [] No	[] Not yet discharging	
	SECTION X <u>CERTIFICATION</u>	
I certify under po- accordance with a Based on my inquinformation, the in	enalty of law that this document and all attachments were prepared under my direction a system designed to assure that qualified personnel properly gather and evaluate the infourity of the person or persons who manage the system, or those persons directly responsibility information submitted is, to the best of my knowledge and belief, true, accurate, and completent penalties for submitting false information, including the possibility of fine and imprison	ormation submitted. le for gathering the te. I am aware that
	RESPONSIBLE CORPORATE OFFICER	
	Print Name	
	Title	
	Title	
	Signature	•
	Date	
	(OR)	
	GENERAL PARTNER OR PROPRIETOR	
	Print Name	
	Title	
	Signature	
	Date	

(OR)

DULY AUTHORIZED REPRESENTATIVE

Print Name
Time Ivanic
Title
ritte
Signature
Date

bal word/forms/current forms/wastewater discharge permit application 10-11-16