CITY OF ELKHART, INDIANA
INDUSTRIAL WASTE QUESTIONNAIRE

SECTION A. GENERAL INFORMATION (Type or Print, Please)

1. Company Name R.M. KIEFER & SON

2. Mailing Address 1613 CASSOPOLIS ST

3. Address of Premises 1613 CASSOPOLIS ST

4. Name and Title of Signing Official RAY KIEFER - MGR.

5. Wastewater discharges to:

   City sewer system ✓

   Private septic system _____

6. If your facility discharges to the City sewer system, check the types of discharges:

   ✓ Sanitary _____ Wash water ✓ Rinse water

   _____ Cooling water _____ Process water _____ Scrubber water

   _____ Other _____

   Note: If your facility discharges only to a private septic system and not to the City sewer system, or if only sanitary sewage is discharged to the City sewer system, it is only necessary to fill out Section A of this questionnaire. Otherwise, complete entire questionnaire.

7. Contact Official

   Name _____

   Title _____

   Address _____

   Phone Number _____

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

_____ Raymond E. Kiefer
Date Signature of Official

SECTION B. PRODUCT OR SERVICE INFORMATION

1. Brief description of manufacturing or service activity on premises:

ELECTRO PLATING
POLISHING + BUFFING

2. Principal Raw Materials Used:

BRASS + STEEL

3. Catalysts, Intermediates:

NONE

4. Principal Product or Service (use Standard Industrial Classification Manual if appropriate): JOB SHOP
ELECTRO PLATING - POLISHING & BUFFING

5. Appended to this questionnaire is a list of Standard Industrial Classification (SIC) codes for industries currently or potentially subject to USEPA preteatment regulations. List SIC codes for each of your processes that are subject to USEPA pretreatment regulations.

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SECTION C. PLANT OPERATIONAL CHARACTERISTICS

1. Type of Discharge: Any ____ Batch X Continuous ____ Both

   For batch discharges, list types, average number of batches/24 hrs. and volume (gallons) per batch. ____

2. Is there a scheduled shutdown? YES

   When? 1st + 2nd WEEK IN JULY

3. Is production seasonal? YES

   If yes, explain indicating months(s) of peak production.

   MARCH TO OCT.

4. Average number of employees per shift: 4 1st; ___ 2nd; ___ 3rd

5. Shift start times: 7:00AM 1st; ____ 2nd; ____ 3rd

6. Shifts normally worked each day of the week: SPORADIC

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1st							
2nd							
3rd							

7. Describe any wastewater treatment equipment or processes in use:

   NONE

SECTION D. WATER CONSUMPTION AND LOSS

1. Raw Water Sources:

Source	Quantity
CITY WATER	2500 gallons per day
	_____ gallons per day
	_____ gallons per day
	_____ gallons per day

2. Water treatment processes in use:

_____ Chemical coagulation, including use of alum, ferric chloride, polymers, etc.

_____ Lime softening

_____ Resin (ion exchange) water softening

_____ Filtration

_____ Chemical (chlorine or ozone) disinfection

_____ Others _____

_____

3. List Water Consumption in Plant:

Cooling Water	_____	gallons per day
Boiler Feed	_____	gallons per day
Process Water	_____	gallons per day
Sanitary System*	40	gallons per day
Contained in Product	_____	gallons per day
Other (RINSE)	2500	gallons per day

*Sanitary flow can be estimated at 10 gpd per employee.

4. List average volume of discharge or water loss to:

City Wastewater Sewer	2500	gallons per day
Septic Tank Discharge		gallons per day
Surface Discharge		gallons perday
Waste Hauler		gallons per day
Evaporation		gallons per day
Contained in Product		gallons per day

5. Is Discharge to Sewer: ✓ Intermittent _____ Steady

6. List average water usage for SIC Processes itemized in Section B-5 above:

Regulated SIC No.	Brief Process Description	Average Water Consumption(GPD)
3471	ELECTROPLATING	2500

SECTION E. SEWER CONNECTION AND DISCHARGE INFORMATION

1. List plant sewer outlets and flow: (assign sequential reference number to each sewer starting with No. 1).

Reference No.	Descriptive Location of Sewer Connection or Discharge Point	Avg. Flow (gpd)

2. Attach a scaled drawing or dimensioned sketch of the industrial complex showing location of sewer referenced in E-1 above and location of the SIC process described in Section D-5. Show location of monitoring manhole, if any, and other possible sampling points for sewers and SIC process effluents. Indicate how City industrial monitoring staff can gain access to the sampling points. For reference and field orientation buildings, streets, alleys, and other pertinent physical structures should be included.

3. Is plant required to prepare a Spill Prevention Control and Countermeasure (SPCC) Plan per 40 CFR 112 or a RCRA Contingency Plan?
   No If report has been prepared, attach copy. Copy attached.
   _____ If report is required, but has not yet been prepared, indicate date when it will be submitted. _____

SECTION F. PRIORITY POLLUTANT INFORMATION

1. Please indicate by placing an "X" in the appropriate box by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to Appendix A for those compounds which have an asterisk(*).

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT	ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT
1.	ammonia					47.	chlorobenzene				
2.	asbestos (fibrous)	✓				48.	chloroethane*				
3.	cyanide (total)	✓				49.	2-chloroethylvinyl ether				
						50.	chloroform*				
4.	antimony (total)					51.	chloromethane*				
5.	arsenic (total)					52.	2-chloronaphthalene				
6.	beryllium (total)					53.	2-chlorophenol*				
7.	cadmium (total)					54.	4-chlorophenylphenyl ether				
8.	chromium (total)					55.	chrysene*				
9.	copper (total)					56.	4,4'-DDD*				
10.	lead (total)					57.	4,4'-DDE*				
11.	mercury (total)					58.	4,4'-DDT*				
12.	nickel (total)					59.	dibenzo(a,h)anthracene*				
13.	selenium (total)					60.	dibromochloromethane*				
14.	silver (total)					61.	1,2-dichlorobenzene*				
15.	thallium (total)					62.	1,3-dichlorobenzene*				
16.	zinc (total)					63.	1,4-dichlorobenzene*				
						64.	3,3'-dichlorobenzidine				
17.	acenaphthene					65.	dichlorodifluoromethane*				
18.	acenaphthylene					66.	1,1-dichloroethane*				
19.	acrolein					67.	1,2-dichloroethane*				
20.	acrylonitrile					68.	1,1-dichloroethene*				
21.	aldrin					69.	trans-1,2-dichloroethene*				
22.	anthracene					70.	2,4-dichlorophenol				
23.	benzene					71.	1,2-dichloropropane*				
24.	benzidine					72.	(cis & trans)1,3-dichloropropene*				
25.	benzo(a)anthracene*										
26.	benzo(a)pyrene*					73.	dieldrin				
27.	benzo(b)fluoranthene					74.	diethyl phthalate*				
28.	benzo(g,h,i)perylene*					75.	2,4-dimethylphenol*				
29.	benzo(k)fluoranthene*					76.	dimethyl phthalate				
30.	a-BHC (alpha)					77.	di-n-butyl phthalate				
31.	b-BHC (beta)					78.	di-n-octyl phthalate*				
32.	d-BHC (delta)					79.	4,6-dinitro-2-methylphenol*				
33.	g-BHC* (gamma)					80.	2,4-dinitrophenol				
34.	bis(2-chloroethyl)ether*					81.	2,4-dinitrotoluene				
35.	bis(2-chloroethoxy)methane*					82.	2,6-dinitrotoluene				
36.	bis(2-chloroisopropyl)ether*					83.	1,2-diphenylhydrazine*				
37.	bis(chloromethyl)ether*					84.	endosulfan I*				
38.	bis(2-ethylhexyl)phthalate*					85.	endosulfan II*				
39.	bromodichloromethane*					86.	endosulfan sulfate				
40.	bromoform*					87.	endrin				
41.	bromomethane*					88.	endrin aldehyde				
42.	4-bromophenylphenyl ether					89.	ethylbenzene				
43.	butylbenzyl phthalate					90.	fluoranthene				
44.	carbon tetrachloride*					91.	fluorene*				
45.	chlordane					92.	heptachlor				
46.	4-chloro-3-methylphenol*					93.	heptachlor epoxide				

3. List any other chemicals known or anticipated to be present in the discharge.

None

4. Describe, what if any, laboratory analyses have been conducted on process waste streams in the plant, including which streams were sampled, what parameters were measured, and frequency and type of samples. (The baseline report referred to in G2 below can be referenced in answering this question.)

SECTION G. PRETREATMENT

1. Is this plant subject to an existing Pretreatment Standard?

No

2. Is this plant required to submit a baseline report per 40 CFR 403.12? No If a baseline report has been prepared, attach a copy to this questionnaire. Copy attached. ✓ If a baseline report is required, but has not yet been prepared, indicate date that it will be submitted. _____

3. If subject to Federal Pretreatment Standards, are the standards being met on a consistent basis? (The baseline report can be referred to in answering this question.)

None

4. Are additional pretreatment facilities and/or operation and maintenance required to meet Pretreatment Standards? If additional pretreatment and/or operation and maintenance are required, list the schedule by which they will be provided. (The baseline report can be referred to in answering this question.)

5. Describe residuals (sludges, precipitates, etc.) that are produced or result at your facility and the methods employed to dispose of the residuals. List names of waste haulers, if applicable.

None

E. S. A. INDUSTRIAL WASTE SURVEY
PRELIMINARY ANALYSIS
SHEET

Map Loc. # _____
No. of Samples 1
Type of Sample composite
Hrs. of Sampling 24
No. of Sample Points 1

Date 10-14-83
Sampling Point #1 Kieffer Plating
1613 Cassopolis St.
Elkhart, Ind.

Parameters	Analyze For	Parameters	Analyze For
pH	7.2	Arsenic	
BOD (5 day)	24	Cadmium	*.10
COD		Chromium hexavalent	
Chlorine Demand		Chromium total	.43
Color		Copper	*.10
Total Solids		Lead	.10
TSS	12	Iron	
Settleable Solids		Manganese	
Grease & Oil		Mercury	
Phenols		Nickle	8.6
Chloride		Zinc	.11
Sulfate			
Sulfides			
Total Phosphorus	.03		
Cyanide			
T.O.C.			
Ammonia Nitrogen			

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