ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MEMORANDUM

DATE: February 5, 1982

TO: DWPC/FOS and Records Unit

FROM: Region 1 - H. Lai H.L.

SUBJECT: CENTRAL QUALITY INDUSTRIES INC. - Polo

EPA Region 5 Records Ctr.
303413

Attached are copies of lab results of the samples that I took from Central Quality Industries Inc. on 12/29/81. These are the preliminary copies; the Barium analysis has not been completed yet.

Based on these lab results, it does not seem the discharge from Central Quality will contaminate the City's sludge. However, the following comments are suggested to cite the special conditions.

1. The discharge should be limited to the supernatant only; sludge from either tank should be disposed of at the proper landfill site.

2. The pH should be measured and adjusted to permitted limit (6-9) before discharge.

3. Due to the waste strength, the discharge should be applied at a slow rate over a long period of time, i.e., a 24 hr. period.

HL/bjs

cc: --Region 1
--DWPC/Permits/ATTN: Yogesh Sheth

2/5/82

FEB 10 1982

L-1

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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SPECIAL ANALYSIS FORM

03413 [illegible]

Time Collected: 10:30Am

Sub-Basin: Rockford

Date Collected: Dec. 29, 1981

Collector: H. Lai

Facility Name: Central Quality Industries, Inc

Facility Number:

File Town: Polo

Stream Name(s):

Stream Code:

Source of Sample: (Exact Location)

Composite of washer tanks #1, #2 & #3. The volume ratio from tank #1, #2, is 50%, 25%, 25%. The washer was off operation since 12-28 afternoon.

Physical Observations, Remarks:

Tank #1 tan, brownish w/ oil sheen on surface. Tank #2 & #3 content were slightly murky, no color.

Flow	Field Dissolved Oxygen	Field pH	Field Temp.

	Arsenic		Coliform/100ml	7432	BOD
	Barium		Fecal Coliform 100 ml	16500	COD
	Boron		Fecal Strep 100 ml	14,300	~~TS/EC~~ R.O.E.
0.00	Cadmium		Algae (Total) /ml	28	Susp. Solids
	Copper	133.0	Ammonia (N)		Vol. Susp. Solids
0.02	Chromium (~~tot~~)	1025	Organic Nitrogen (N)	5.8	pH (units)
	Chromium (hex)	0.1	Nitrate + Nitrite (N)		Turbidity (JTU)
2.1	Iron (Total)	1822.0	Phosphorus (P)		Hardness
	Iron (Dissolved)		Chloride		Alkalinity
<0.03	Lead		Fluoride		Total Acidity
0.80	Manganese		Sulfate		Free Acidity
<0.05	Mercury (ppb)	0.00	Cyanide	163	Oil
0.1	Nickel		MBAS		Other (Specify)
	Selenium	0.575	Phenol (ppb)		
	Silver				
0.0	Zinc				

Results in mg/l unless otherwise noted.

Transported by: H. Lai

Received by: [illegible]

Transported by: [illegible]

Received by:

FOR LAB USE ONLY

Lab Number: C0003413 Rec'd by: [illegible]

Date sample rec'd: 12-30-81 Time: 8:45 AM

Date analysis completed:

Date results forwarded:

Total Tests requested: 22 Tests run:

Lab Section: Chicago Supervisor:

100% Recycled Paper

IL532-0546
LABS 3 3/73

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106

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SPECIAL ANALYSIS FORM

03414 DEC30

Time Collected 10:45A

Sub-Basin Rockford

Date Collected Dec. 29, 1981

Collector H. Lai

Facility Name: Central Quality Industries, Inc

Facility Number:

File Town Polo

Stream Name(s)

Stream Code:

Source of Sample: (Exact Location)

Grab sample of washer tank #1 content.

Physical Observations, Remarks:

Tan, brownish color w/ oil sheen on surface

Flow	Field Dissolved Oxygen	Field pH	Field Temp.

	Arsenic		Coliform/100ml	>439	BOD
	Barium		Fecal Coliform 100 ml	30800	COD
	Boron		Fecal Strep 100 ml	30,100	~~TS/EC~~ R.O.E
0.00	Cadmium		Algae (Total) /ml	100	Susp. Solids
	Copper	232.0	Ammonia (N)		Vol. Susp. Solids
0.02	Chromium (~~tot~~)	2263	Organic Nitrogen (N)	5.5	pH (units)
	Chromium (hex)	0.1	Nitrate + Nitrite (N)		Turbidity (JTU)
4.5	Iron (Total)	3790.0	Phosphorus (P)		Hardness
	Iron (Dissolved)		Chloride		Alkalinity
0.06	Lead		Fluoride		Total Acidity
1.24	Manganese		Sulfate		Free Acidity
<0.05	Mercury (ppb)	0.01	Cyanide		Oil
0.3	Nickel		MBAS		Other (Specify)
	Selenium	1.15	Phenol (ppb)		
	Silver				
0.0	Zinc				

Results in mg/l unless otherwise noted.

Transported by: H. Lai

Received by: [illegible]

Transported by:

Received by:

FOR LAB USE ONLY

Lab Number: C003414 Rec'd by: [illegible]

Date sample rec'd: 12-30-81 Time: 8:45 Am

Date analysis completed:

Date results forwarded:

Total Tests requested: 21 Tests run:

Lab Section: Chicago Supervisor:

90% Recycled Paper

ILE32-0546
LABS 3 3/73