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City of Wood River, Illinois
111 WOOD RIVER AVENUE • WOOD RIVER, ILLINOIS 62095 • (618) 254-0123

October 14, 1982

Mr. Ronald Drainer, Acting Manager
Grant Administration Section
IL Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

RECEIVED - DWPC
Grant Administration Section
OCT 18 1982
STEP ☐ PAYMENT ☐
CORRESP. ☐ DISCARD ☐

Dear Ron:

This letter is intended to provide a variety of information for review by the Grants and the Permits Sections in order to prepare for a meeting with representatives from Wood River on November 12. Topics for discussion at this meeting should include at least the following:

1. Review of Amoco Chemicals Wood River Treatment plant effluent and sample test data. (attached)
2. Review of proposed monitoring schedule verbally presented to the City by IEPA on June 23, 1982.
3. Review of the future events and time frames for a revised user charge system - as outlined in my letter to John Coniglio dated August 25, 1982, which has received no follow up response. (attached)
4. Presentation of completed redesign plan for Phase I of the project (reconstruction of primary treatment facilities for regional waste water).
5. Review of commitments and time frames for the next steps for review and bidding Phase I, and submittal of retrofit design plans for Phase II.

The balance of this letter will now provide additional detail in regards to the first two items on the discussion agenda list for our November meeting. During our review meetings in Springfield in June, 1982, the question of the testing and monitoring schedule in regards to the Amoco treatment plant alternative was discussed. At that time, Amoco agreed to undertake a sampling and analysis of the Amoco Chemicals Wood River plant effluent in order to determine changes in effluent since elimination of the refinery. This information also assists in understanding the quality and content of raw wastewater from Amoco Chemicals that would have to be handled by the City in the joint treatment plant alternative, and be considered for determination of what the proposed monitoring schedule would be for the joint treatment plant alternative.

On June 23, 1982, a conference telephone call occurred between various representatives from IEPA, led by Tom Wallin, with myself and representatives from Amoco. One of the purposes of that telephone call was for IEPA to present their

proposed monitoring schedule which would be applied to the City under the Amoco/joint treatment plant alternative. At that time, and with little information yet available on the chemical plant effluent, IEPA indicated that a 5X weekly monitoring frequencies would be required, and for many different components of water in the treatment process.

Attached for your information and review are two documents:

1. Two pages of written comments prepared by Amoco Chemicals on the IEPA Joint Treatment Discharge Monitoring Proposal.

2. Nine pages of the Amoco Chemicals Plant effluent data collected and prepared by Amoco in response to our joint meetings with IEPA in June 1982.

Please note that the proposed monitoring frequency of 5X weekly for the joint treatment plant is greater than Amoco's present effluent monitoring frequency of twice weekly. This additional monitoring, coupled with the fact that the amounts of contaminates in the Amoco wastewater have been reduced as a result of the refinery's closing, clearly indicate that reasonableness for a reduction in the proposed monitoring frequency of 5X weekly by the City of Wood River.

Thanks for taking the lead in setting up this meeting for 10:00 A.M. on Friday, November 12. From my view point, we would hope to meet jointly with yourself, Tom McSwiggin, Rich Lucas, John Coniglio, and any others that may be appropriate from your side.

Sincerely,

Gary Webster

Gary Webster
City Manager

cc: Charlie Sheppard, Sheppard, Morgan & Schwaab
Rich Symuleski, Amoco Chemicals
Honorable Mayor & City Council

Attachments

ATTACHMENT

COMMENTS RE: IEPA JOINT TREATMENT

DISCHARGE MONITORING PROPOSAL

Amoco is currently required to analyze for all of the following components 2X weekly: BOD_5, total suspended solids, fecal coliform, pH, oil & grease, zinc and phenol. Amoco is not required to analyze for chlorine residual. Chapter 3, Rule 408 contaminants require annual analysis and the plant analyzes for iron twice yearly. On this basis I do not believe that the 5X weekly monitoring for the eight specified parameters can be attributed to the wastewater from Amoco Chemicals.

The 5X weekly monitoring frequencies for BOD_5, total suspended solids, fecal coliform, pH and chlorine residual are typical of those imposed upon municipal activated sludge plants of over 1 MGD that chlorinate their effluents. While this may represent greater sampling and analytical work that the City has experienced in the past, they probably would have been imposed by the IEPA once the City had constructed its activated sludge plant.

Amoco Chemicals wastewater BOD_5 is only about 20 ppm, which is much more dilute than a typical municipal wastewater averaging 200-250 ppm BOD_5. Since Amoco will represent about 70% of the influent flowrate a less frequent BOD_5 monitoring requirement may be justified. A frequency of 2X to 3X weekly would not be unreasonable.

The oil, fats and grease analyses 5X weekly is excessive. It is unlikely that IEPA would require such a monitoring frequency for a municipal treatment. Since the raw wastewater from the Amoco Chemicals plant has only about 22 ppm oil and grease a less frequent monitoring frequency, 1X to 2X weekly is justified.

Zinc loadings from Amoco's operations are somewhat reduced by the refinery's shutdown but are not significant enough to justify a reduction in frequency below that in Amoco's permit. Since Amoco is presently only required to analyze for zinc twice weekly, I recommend we retain this frequency for the joint treatment facility.

Phenol levels for Amoco Chemicals raw wastewater are lower than the maximum treatment plant effluent values of 1.0 ppm, 34.2 lb/day, for the Amoco Oil refinery. Since phenols are biodegradable, I would

recommend that the monitoring frequency be reduced to 1X to 2X weekly.

I see no reason to require an increase in the monitoring frequency for the Chapter 3, Rule 408 contaminants. This is a monitoring provision placed upon most industrial dischargers in Illinois. The monitoring frequency should be no greater than that contained in the existing Amoco permit, i.e. once per year.

LLASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of is information on separate sheets (use the same format) instead of completing these pages. E INSTRUCTIONS

EPA I.D. NUMBER (copy from Item 1 of Form 1)

Form Approved OMB No. 158-R0173

OUTFALL NO.

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	(2) MASS	c. LONG TERM AVG. VALUE (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
Biochemical Oxygen Demand (BOD)	20.	552.					1	ppm	lb/day			
Chemical Oxygen Demand (COD)	203.	5,605.					1	ppm	lb/day			
Total Organic Carbon (TOC)	52.	1,436.					1	ppm	lb/day			
Total Suspended Solids (TSS)	250.	6,903.			200[1]	5,522.	1	ppm	lb/day			
Ammonia (as N)	6.0	165.7					1	ppm	lb/day			
Flow	VALUE		VALUE		VALUE 3.31[2]			–	MGD	VALUE		
Temperature (winter)	VALUE		VALUE		VALUE 13			°C		VALUE		
Temperature (summer)	VALUE		VALUE		VALUE 30			°C		VALUE		
pH	MINIMUM 5.0	MAXIMUM 9.5	MINIMUM	MAXIMUM				STANDARD UNITS				

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2-a for any pollutant, you must provide the results of at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

POLLUTANT AND CAS NO. (if available)	2. MARK "X" a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (1) CONCENTRATION	(2) MASS	c. LONG TERM AVG. VALUE (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
Bromide (7726-95-6)		X	BDL[3] <1.0	<27.6					1	ppm	lb/day			
Chlorine, Total Residual		X	–	–					0	–	–			
Chloroform	X		4	<111					1	ppm	lb/day			
Fecal Coliform	X		24	–					1	per100ml	–			
Fluoride (16984-48-8)		X	BDL <1.0	27.6					1	ppm	lb/day			
Nitrate-Nitrite (as N)		X	<1.0	<27.6					1	ppm	lb/day			

Form 3510-2C (8-80) PAGE V-1 CONTINUE ON REVERSE

1. Based upon historical data
2. Based upon wet weather flows
3. Below Detection Limit, the actual detection limit has been provided.

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)	X		145.	4,004.					1	ppm	lb/day			
h. Oil and Grease	X		22.	608.					1	ppm	lb/day			
i. Phosphorus (as P), Total (7723-14-0)	X		1.4	38.7					1	ppm	lb/day			
j. Radioactivity														
(1) Alpha, Total		X	–	–					0	–	–			
(2) Beta, Total		X	–	–					0	–	–			
(3) Radium, Total		X	–	–					0	–	–			
(4) Radium 226, Total		X	–	–					0	–	–			
k. Sulfate (as SO_4) (14808-79-8)	X		89.	2,458.					1	ppm	lb/day			
l. Sulfide (as S)	X		BDL 1.0	[illegible]					1	ppm	lb/day			
m. Sulfite (as SO_3) (14265-45-3)		X	–	–					0	–	–			
n. Surfactants		X	BDL <0.1	<0.3					1	ppm	lb/day			
o. Aluminum, Total (7429-90-5)	X		23.	635.					1	ppm	lb/day			
p. Barium, Total (7440-39-3)		X	0.15	4.14					1	ppm	lb/day			
q. Boron, Total (7440-42-8)		X	0.9	24.9					1	ppm	lb/day			
r. Cobalt, Total (7440-48-4)		X	BDL <0.015	<0.414					1	ppm	lb/day			
s. Iron, Total (7439-89-6)	X		1.2	33.1					1	ppm	lb/day			
t. Magnesium, Total (7439-95-4)	X		27.	746.					1	ppm	lb/day			
u. Molybdenum, Total (7439-98-7)	X		BDL <0.01	<0.28					1	ppm	lb/day			
v. Manganese, Total (7439-96-5)	X		0.47	12.98					1	ppm	lb/day			
w. Tin, Total (7440-31-5)		X	0.10	2.76					1	ppm	lb/day			
x. Titanium, Total (7440-32-6)		X	BDL <0.04	<1.11					1	ppm	lb/day			

CONTINUE ON PAGE V-3

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER

CONTINUED FROM PAGE 3 OF FORM 2-C

Form Approved OMB No. 158-R0173

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a *(secondary industries, non-process wastewater outfalls, and non-required GC/MS fractions)*, mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe to be absent. If you mark either columns 2-a or 2-b for any pollutant, you must provide the results of at least one analysis for that pollutant. Note that there are seven pages to this part; please review each carefully. Complete one table *(all seven pages)* for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TEST INCLUDED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	BDL <0.09	<2.49					1	ppm	lb/day			
2M. Arsenic, Total (7440-38-2)			X	BDL <0.06	<1.66					1	ppm	lb/day			
3M. Beryllium, Total (7440-41-7)			X	BDL <0.003	<0.083					1	ppm	lb/day			
4M. Cadmium, Total (7440-43-9)			X	BDL <0.01	<0.28					1	ppm	lb/day			
5M. Chromium, Total (7440-47-3)			X	0.25	6.90					1	ppm	lb/day			
6M. Copper, Total (7440-50-8)			X	BDL <0.06	<1.66					1	ppm	lb/day			
7M. Lead, Total (7439-92-1)			X	BDL <0.1	<2.8					1	ppm	lb/day			
8M. Mercury, Total (7439-97-6)			X	0.0002	0.0055					1	ppm	lb/day			
9M. Nickel, Total (7440-02-0)			X	0.03	0.83					1	ppm	lb/day			
10M. Selenium, Total (7782-49-2)			X	BDL <0.17	<4.69					1	ppm	lb/day			
11M. Silver, Total (7440-22-4)			X	BDL <0.02	<0.55					1	ppm	lb/day			
12M. Thallium, Total (7440-28-0)			X	BDL <0.76	<20.99					1	ppm	lb/day			
13M. Zinc, Total (7440-66-6)		X		2.1	58.0					1	ppm	lb/day			
14M. Cyanide, Total (57-12-5)			X	BDL <0.01	<0.27					1	ppm	lb/day			
15M. Phenols, Total		X		0.27	7.46					1	ppm	lb/day			
DIOXIN															
2,3,7,8 Tetrachlorodibenzo P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS NOT ANALYZED FOR											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
V. Acrolein (107-02-8)			X	BDL <100.	<2.76					1	ppb	lb/day			
V. Acrylonitrile (107-13-1)			X	BDL <100.	<2.76					1	ppb	lb/day			
V. Benzene (71-43-2)		X		2.25	62.13					1	ppm	lb/day			
V. Bis (Chloromethyl) Ether (542-88-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. Bromoform (75-25-2)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. Carbon Tetrachloride (56-23-5)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. Chlorobenzene (108-90-7)			X	10.	0.276					1	ppb	lb/day			
V. Chlorodibromomethane (124-48-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. Chloroethane (75-00-3)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. 2-Chloroethylvinyl Ether (110-75-8)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. Chloroform (67-66-3)			X	30.	0.828					1	ppb	lb/day			
V. Dichlorobromomethane (75-27-4)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. Dichlorodifluoromethane (75-71-8)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. 1,1-Dichloroethane (75-34-3)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. 1,2-Dichloroethane (107-06-2)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. 1,1-Dichloroethylene (75-35-4)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. 1,2 Dichloropropane (78-87-5)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. 1,3-Dichloropropylene (542-75-6)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. Ethylbenzene (100-41-4)			X	24.	0.663					1	ppb	lb/day			
V. Methyl Bromide (74-83-9)			X	BDL <10.	<0.276					1	ppb	lb/day			
V. Methyl Chloride (74-87-3)			X	BDL <10.	<0.276					1	ppb	lb/day			

CONTINUE ON PAGE V-5

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	BDL <10.	<0.276					1	ppb	lb/day			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	BDL <10.	<0.276					1	ppb	lb/day			
24V. Tetrachloroethylene (127-18-4)			X	BDL <10.	<0.276					1	ppb	lb/day			
25V. Toluene (108-88-3)		X		252.	6.96					1	ppb	lb/day			
26V. 1,2-Trans Dichloroethylene (156-60-5)		X		BDL <10.	<0.276					1	ppb	lb/day			
27V. 1,1,1-Trichloroethane (71-55-6)			X	313.	8.643					1	ppb	lb/day			
28V. 1,1,2-Trichloroethane (79-00-5)			X	BDL <10.	<0.276					1	ppb	lb/day			
29V. Trichloroethylene (79-01-6)			X	BDL <10.	<0.276					1	ppb	lb/day			
30V. Trichlorofluoromethane (75-69-4)			X	BDL <10.	<0.276					1	ppb	lb/day			
31V. Vinyl Chloride (75-01-4)			X	BDL <10.	<0.276					1	ppb	lb/day			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	BDL <25.	<0.69					1	ppb	lb/day			
2A. 2,4-Dichlorophenol (120-83-2)			X	BDL <250.	<6.90					1	ppb	lb/day			
3A. 2,4-Dimethylphenol (105-67-9)			X	BDL <25.	<0.69					1	ppb	lb/day			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	BDL <25.	<0.69					1	ppb	lb/day			
5A. 2,4-Dinitrophenol (51-28-5)			X	BDL <250.	<6.90					1	ppb	lb/day			
6A. 2-Nitrophenol (88-75-5)			X	BDL <25.	<0.69					1	ppb	lb/day			
7A. 4-Nitrophenol (100-02-7)			X	BDL <25.	<0.69					1	ppb	lb/day			
8A. P-Chloro M-Cresol (59-50-7)			X	BDL <25.	<0.69					1	ppb	lb/day			
9A. Pentachlorophenol (87-86-5)			X	BDL <25.	<0.69					1	ppb	lb/day			
10A. Phenol (108-95-2)		X		111.	3.065					1	ppb	lb/day			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	BDL <25.	<0.69					1	ppb	lb/day			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. TEST INFORMATION REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	BDL <10.	<0.276					1	ppb	lb/day			
2B. Acenaphtylene (208-96-8)			X	BDL <10.	<0.276					1	ppb	lb/day			
3B. Anthracene (120-12-7)			X	14.	0.387					1	ppb	lb/day			
4B. Benzidine (92-87-5)			X	BDL <10.	<0.276					1	ppb	lb/day			
5B. Benzo (a) Anthracene (56-55-3)			X	BDL <10.	<0.276					1	ppb	lb/day			
6B. Benzo (a) Pyrene (50-32-8)			X	BDL <10.	<0.276					1	ppb	lb/day			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	BDL <10.	<0.276					1	ppb	lb/day			
8B. Benzo (ghi) Perylene (191-24-2)			X	BDL <25.	<0.69					1	ppb	lb/day			
9B. Benzo (k) Fluoranthene (207-08-9)			X	BDL <10.	<0.276					1	ppb	lb/day			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	348.	9.61					1	ppb	lb/day			
12B. Bis (2-Chloro-isopropyl) Ether (39638-32-9)			X	BDL <10.	<0.276					1	ppb	lb/day			
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	BDL <10.	<0.276					1	ppb	lb/day			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	BDL <10	<0.276					1	ppb	lb/day			
15B. Butyl Benzyl Phthalate (85-68-7)			X	BDL <10.	<0.276					1	ppb	lb/day			
16B. 2-Chloro-naphthalene (91-58-7)			X	BDL <10.	<0.276					1	ppb	lb/day			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	BDL <10.	<0.276					1	ppb	lb/day			
18B. Chrysene (218-01-9)			X	BDL <10.	<0.276					1	ppb	lb/day			
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	BDL <25.	<0.69					1	ppb	lb/day			
20B. 1,2-Dichloro-benzene (95-50-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
21B. 1,3-Dichloro-benzene (541-73-1)			X	BDL <10.	<0.276					1	ppb	lb/day			

CONTINUE ON PAGE V-7

EPA ID NUMBER (Copy from Item 1 of Form 1) | OUTFALL NUMBER

Form Approved OMB No. 158-R0173

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. Testing Required	b. Believed Present	c. Believed Absent	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration	(2) Mass	b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration	(2) Mass	c. LONG TERM AVERG. VALUE (if available) (1) Concentration	(2) Mass	d. NO. OF ANALYSES	4. UNITS a. Concentration	b. Mass	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) Concentration	(2) Mass	b. NO. OF ANALYSES
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
25B. 1,4-Dichlorobenzene (106-46-7)			X	BDL <10.	<0.276					1	ppb	lb/day			
26B. 3,3-Dichlorobenzidine (91-94-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
27B. Diethyl Phthalate (84-66-2)			X	BDL <10.	<0.276					1	ppb	lb/day			
28B. Dimethyl Phthalate (131-11-3)			X	BDL <10.	<0.276					1	ppb	lb/day			
29B. Di-n-butyl Phthalate (84-74-2)			X	BDL <10.	<0.276					1	ppb	lb/day			
29B. 2,4-Dinitrotoluene (121-14-2)			X	BDL <10.	<0.276					1	ppb	lb/day			
30B. 2,6-Dinitrotoluene (606-20-2)			X	BDL <10.	<0.276					1	ppb	lb/day			
29B. Di-n-Octyl Phthalate (117-84-0)			X	BDL <10.	<0.276					1	ppb	lb/day			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	BDL <10.	<0.276					1	ppb	lb/day			
31B. Fluoranthene (206-44-0)			X	BDL <10.	<0.276					1	ppb	lb/day			
32B. Fluorene (86-73-7)			X	BDL <10.	<0.276					1	ppb	lb/day			
33B. Hexachlorobenzene (118-74-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
34B. Hexachlorobutadiene (87-68-3)			X	BDL <10.	<0.276					1	ppb	lb/day			
35B. Hexachlorocyclopentadiene (77-47-4)			X	BDL <10.	<0.276					1	ppb	lb/day			
36B. Hexachloroethane (67-72-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	BDL <25.	<0.69					1	ppb	lb/day			
38B. Isophorone (78-59-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
39B. Naphthalene (91-20-3)			X	38.	1.04					1	ppb	lb/day			
40B. Nitrobenzene (98-95-3)			X	BDL <10.	<0.276					1	ppb	lb/day			
41B. N-Nitrosodimethylamine (62-75-9)			X	BDL <10.	<0.276					1	ppb	lb/day			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	BDL <10.	<0.276					1	ppb	lb/day			

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TEST INCLUDED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	BDL <10.	<0.276					1	ppb	lb/day			
44B. Phenanthrene (85-01-8)			X	BDL <10.	<0.276					1	ppb	lb/day			
45B. Pyrene (129-00-0)			X	BDL <10.	<0.276					1	ppb	lb/day			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	BDL <10.	<0.276					1	ppb	lb/day			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	BDL <0.1	<0.003					1	ppb	lb/day			
2P. α-BHC (319-84-6)			X	BDL <0.1	<0.003					1	ppb	lb/day			
3P. β-BHC (319-85-7)			X	BDL <0.1	<0.003					1	ppb	lb/day			
4P. γ-BHC (58-89-9)			X	BDL <0.1	<0.003					1	ppb	lb/day			
5P. δ-BHC (319-86-8)			X	BDL <0.1	<0.003					1	ppb	lb/day			
6P. Chlordane (57-74-9)			X	BDL <0.1	<0.003					1	ppb	lb/day			
7P. 4,4'-DDT (50-29-3)			X	BDL <0.1	<0.003					1	ppb	lb/day			
8P. 4,4'-DDE (72-55-9)			X	BDL <0.1	<0.003					1	ppb	lb/day			
9P. 4,4'-DDD (72-54-8)			X	BDL <0.1	<0.003					1	ppb	lb/day			
10P. Dieldrin (60-57-1)			X	BDL <0.1	<0.003					1	ppb	lb/day			
11P. α-Endosulfan (115-29-7)			X	BDL <0.1	<0.003					1	ppb	lb/day			
12P. β-Endosulfan (115-29-7)			X	BDL <0.1	<0.003					1	ppb	lb/day			
13P. Endosulfan Sulfate (1031-07-8)			X	BDL <0.1	<0.003					1	ppb	lb/day			
14P. Endrin (72-20-8)			X	BDL <0.1	<0.003					1	ppb	lb/day			
15P. Endrin Aldehyde (7421-93-4)			X	BDL <0.1	<0.003					1	ppb	lb/day			
16P. Heptachlor (76-44-8)			X	BDL <0.1	<0.003					1	ppb	lb/day			

CONTINUE ON PAGE V-9

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EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER

Form Approved OMB No. 158 R0173

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. REQUIRED WEIGHT	c. ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	BDL <0.1	<0.003					1	ppb	lb/day			
18P. PCB-1242 (53469-21-9)			X	BDL <0.1	<0.003					1	ppb	lb/day			
19P. PCB-1254 (11097-69-1)			X	BDL <0.1	<0.003					1	ppb	lb/day			
20P. PCB-1221 (11104-28-2)			X	BDL <0.1	<0.003					1	ppb	lb/day			
21P. PCB-1232 (11141-16-5)			X	BDL <0.1	<0.003					1	ppb	lb/day			
22P. PCB-1248 (12672-29-6)			X	BDL <0.1	<0.003					1	ppb	lb/day			
23P. PCB-1260 (11096-82-5)			X	BDL <0.1	<0.003					1	ppb	lb/day			
24P. PCB-1016 (12674-11-2)			X	BDL <0.1	<0.003					1	ppb	lb/day			
25P. Toxaphene (8001-35-2)			X	BDL <0.1	<0.003					1	ppb	lb/day			

City of Wood River, Illinois
111 WOOD RIVER AVENUE • WOOD RIVER, ILLINOIS 62095 • (618) 254-0123

August 25, 1982

Mr. John Coniglio
IL Environmental Protection Agency
Division of Water Resources
Grant Administration Section
2300 Churchill Road
Springfield, IL 62706

Dear John:

The question of the user charge system needs to be resolved in terms of future events and timeframes. I would suggest the following events:

1. Remember and agree that we do have a user charge system that was developed by Beling Consultants and approved by IEPA. Therefore, there should be no problem or concern by IEPA in reviewing Phase 1 re-design and allowing us to proceed with a notice for bids and construction early next year.

2. In about February or March of 1983, complete and submit to IEPA a revised user charge system which would be based on the new joint treatment plan, the construction costs known for Phase 1, and the general outline of work which will be known by that time for the Amoco plant retrofit design work.

3. In the user charge system revision, identify a new user fee which would be implemented by the City with the start up of the Phase 1 primary treatment facility and a separate/additional fee to be implemented with the start up of Phase 2 complete facility.

I briefly mentioned this issue to you on the phone some weeks ago, and feel that we should come to an agreement on the steps and timeframes so that it does not "hang up" any of the Phase 1 timeframes that we have agreed upon.

By the way, Amoco has completed their analysis of the chemical plant effluent and we would hope for a joint meeting of Amoco, the City and appropriate officials from IEPA in Springfield sometime during the next 2-3 weeks to review the information. This is follow-up to the conversations which occurred during our review meetings in May and June in Springfield.

Please pass this note along to appropriate personnel, probably in the Permit Section.

Sincerely,

Gary Webster
City Manager

cc: Charlie Sheppard, Sheppard, Morgan & Schwaab
George Ghent, Director of Public Works
Hank Mayer, Beling Consultants, Inc.