160440
L1631210001
Sauget

EXHIBIT B

ANALYSIS OF MISSISSIPPI RIVER ABOVE AND BELOW SAUGET VILLAGE OUTFALL

Constituent	East St. Louis (1) Raw Water Intake 1970 Average (Mg/1)	Proposed Water (2) Quality Std. (Mississippi River) (Mg/1)	600 ft. South (3) Sauget Outfall (15 ft. from Ill. Ban (Mg/1)
Arsenic	<0.01	0.01	<0.005
Barium	<0.5	1.0	<1.0
Cadmium	<0.01	0.01	<0.005
Chloride	22.0	250	50.0
Chromium-Hex	<0.006	0.05	0.02
Copper	-	0.02	0.025
Cyanide	<0.01	0.01	<0.05
Fluoride	0.38	1.4	-
Iron (D)		0.3	0.04
Lead	<0.05	0.05	<0.05
Manganese		0.05	0.12
Mercury (T)	<0.005	0.0005	<0.0005
Phenols	0.002	0.001	<0.05
Selenium	<0.01	0.01	0.0004
Silver	<0.01	0.005	
Total Solids (D)		500	375
Zinc		1.0	0.16
BOD_5	6.4	7.0	
Carbon Chloroform Ext	0.129	0.2	
Oil		0.1	4.3
Sulfate	60.0	250	60.0
Nitrites & Nitrates as N	2.85	10.0	2.05
Methylene Blue Active Sub	0.56	0.5	<0.025
Ammonia Nitrogen	0.071	1.0	

SCREEN
BF

EXHIBIT B
(contd.)

Notes:

(1) Data obtained from the East St. Louis & Interurban Water Company.

(2) Proposed Water Quality Standards - #R71-14

(3) Grab sample (6/9/71) - Sampled and analyzed by Monsanto Company and Monsanto Biodize Personnel.

(4) The methods of analysis used were taken from the following sources:

(1) Standard Monsanto W. G. Krummich Plant methods,
(2) FWPCA Methods for Chemical Anaylysis of Water and Wastes, Nov. 1969 Edition, (3) Standard Methods for the examination of Water and Wastewater, 12th and 13th Edition.

(5) All values reported as less than a certain number, are the lower limit of detection for the analytical method used.

0 0 5 0 0 0 0 0 0 0 4 8 0 0 1 5 5 3

L163021000/
Sauget

(4811—50M—1-69)

Sauget

MEMORANDUM

DIVISION OF SANITARY ENGINEERING

DEPARTMENT OF PUBLIC HEALTH

Subject Pollution discharge. Date 3-25-70

To F.C.B.

From W.H.B.

ECB

10:45 Lt. Comdr. Reineke – St Louis C.G. called

Mile 178.1 on Miss R.

Del Shore, owner noted putting out heavy yellow & black petroleum product making heavy oil slick 500 feet wide.

Observed @ 10:15 3-21-70 – This has been reported several times before.

618 – 345 5141

Relayed report to R.K. Sawyer @ region II via phone

230pm Yellally reported storm flow bypass at Sauget pump station. Excessive oil possibly from the bad parade due to heavy rain last night. Operator attempting to take flow through wetwell & unsuccessful. Storm water

SCREENED BF