



North American Refining

Conoco Inc.
P.O. Box 37
Westlake, LA 70669
(318) 491-5211

May 15, 1981

Mr. Frank Early
United States Environmental Protection Agency
National Enforcement Investigations Center
Box 25207
Denver, CO 80225

Dear Mr. Early:

During the inspection of Conoco Inc.'s Lake Charles Refinery earlier this year, you requested additional information. The following information is included in this report:

- a) Refinery acreage
- b) Data on previous priority pollutant sampling
- c) List of products
- d) Updated list of storage vessels
- e) Map of emission sources

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During your visit you requested the acreage of the refinery. The following acreages were estimated from plot plans. No specific surveys were performed to determine these acreages.

- 1) Acreage of operating units - 34.89 acres.
- 2) Acreage of tank farms including marine dock - 200 acres.

The attached Table B' is a summary of previous results done for priority pollutant screening. The sample was taken from the refinery's lagoon effluent (outfall 001). The purpose of the test was for screening and to train personnel on sampling protocol.

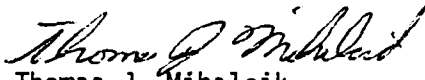
A list of products produced is shown on the attached Table I. Table II lists the fixed roof tanks in the refinery and Table III lists the floating roof tanks in the refinery. Pressure storage vessels are not listed on these tables.

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Conoco drawing number LC-85-00-81-42.1-AD is attached. It shows the location of all active point sources of air emissions.

Final review of the photographs taken during the inspection is not complete at this time. If there is any other information that you need, please let me know.

Sincerely,



Thomas J. Mihalcik
Senior Engineer
Lake Charles Refinery

jw
Encs

cc:
IFW JWL AJN DTE MEO
K. C. Hunt, M. Ayden - Ponca City
B. Raffel - Houston

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TABLE B'
PRIORITY POLLUTANT DATA
CONOCO INC.
LAKE CHARLES REFINERY

<u>Pollutant</u>	<u>OUTFALL 001</u>	
	<u>Jan. 27-28, 1981</u> <u>Sample</u>	<u>March 4-5, 1979</u> <u>Sample (1)</u>
<u>Total Metals, ppm</u>		
Silver	N.D. (2)	N.D. (2)
Aluminum	1.7	1.3
Arsenic	0.004	N.D. (2)
Barium	0.24	0.23
Beryllium	N.D. (2)	N.D. (2)
Calcium	91	46
Cadmium	N.D. (2)	N.D. (2)
Chromium	(3)	0.14
Copper	0.067	0.28
Iron	1.5	0.58
Magnesium	31	15
Manganese	0.51	0.30
Molybdenum	N.D. (2)	N.D. (2)
Sodium	670	320
Nickel	0.10	N.D. (2)
Lead	N.D. (2)	N.D. (2)
Antimony	N.D. (2)	N.D. (2)
Selenium	0.003	0.003
Tin	N.D. (2)	N.D. (2)
Thallium	N.D. (2)	N.D. (2)
Vanadium	N.D. (2)	N.D. (2)
Zinc	0.36	0.08

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¹ This sample is not representative of water discharged during current operation.

² No concentrations were detected above the minimum detectable limit of the method.

OUTFALL 001 (Cont'd)

<u>Pollutant</u>	<u>Jan. 27-28, 1981 Sample</u>	<u>March 4-5, 1979 Sample</u>
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GC/MS Fraction - Volatile Compounds, ppb

No concentrations above 10 ppb were detected in either sample for any of the Volatile Organic Compounds.

GC/MS Fraction - Acid Compounds, ppb

Phenol	N.D. (3)	10
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No concentrations above 10 ppb were detected in either sample for any other of the Acid Extractable Organic Compounds.

GC/MS Fraction - Base/Neutral Compounds, ppb

Benzofluoranthene	N.D. (3)	12
Chrysene	N.S. (3)	16

No concentrations above 10 ppb were detected in either sample for any other of the Base/Neutral Extractable Organic Compounds.

GC/MS Fraction - Pesticides, ppb

No pesticides were detected in either sample in concentrations above 10 ppb.

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³No concentrations above 10 ppb were detected.

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