



Interoffice Communication

To Dale Edwards, Lake Charles

From Rick McCalip, Ponca City

Date May 6, 1981

Subject Priority Pollutant Analyses of Effluent Water - Lake Charles Refinery

Attached is a listing of priority pollutant data for samples collected in March, 1979 and January, 1981.

If you need any further information, please let us know.

Rick McCalip

Rick McCalip

bp

cc: RMc-F

MCD 000002642

<u>Pollutant</u>	<u>OUTFALL 001</u>	
	<u>Jan. 27-28, 1981</u>	<u>March 4-5, 1979</u>
	<u>Sample</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

- (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.

Dale Edwards
May 6, 1981
Page 2 Attachment

OUTFALL 001 (Cont'd)

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

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
--------	----------	----

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.D. (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.

(3) No concentrations above 10 ppb were detected.

MCD 000002644