



Interoffice Communication

To Brandt Butler, Lake Charles Refinery
From Bruce Schroer, PED, Ponca City
Date October 5, 1990
Subject 1989 SARA Title III, Section 313 Documentation

Please find enclosed a copy of the 1989 documentation for the Lake Charles refinery SARA report. This documentation should be kept on record for 3 years. A copy is also being sent to Jack Cearley, RNA, Houston and a copy will be kept on file in PED, Ponca City.

I would like to thank Ron Truelove, Dave Kersey, Mellissa Flanagan, and Dave Basinger for their assistance in supplying the necessary information to complete the report.

If there are any questions concerning the 1989 report, I may be reached at ETN-442-5909.

Bruce Schroer
Process Engineer
Environmental Section
Process Engineering Division

cc. w/o doc RH TGW - Ponca City
Karen Kennedy, RNA Houston
w/ doc Jack Cearley, RNA Houston

File: SEV-9

Approval

SAL 000003939

SARA TITLE III, SECTION 313

1989 TOXIC CHEMICAL RELEASE INVENTORY

REPORTS AND CALCULATIONS

LAKE CHARLES REFINERY

LAKE CHARLES REFINERY

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CHEMICALS REPORTED

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LAKE CHARLES REFINERY
1989 SARA 313 REPORTING

LIST OF REPORTABLE TOXIC CHEMICALS

Ammonia (u)
Benzene (m,p)
1,3 Butadiene (m,p)
Chlorine (u)
Cumene (m,p)
Cyclohexane (p)
Ethylbenzene (m,p)
Ethylene (m,p,u)
Hydrochloric acid (u)
Lead Compounds (p)
Manganese Compounds (p)
Methanol (p,u)
Molybdenum Trioxide (u)
Naphthalene (p,u)
Phosphoric acid (u)
Propylene (m,p,u)
Styrene (p)
Sulfuric acid (m,u)
Toluene (m,p)
1,2,4-Trimethylbenzene (m,p)
Xylene (mixed isomers) (m,p)

Notes:

m = manufacture the chemical
p = process the chemical
u = otherwise use the chemical

RELEASE SUMMARY

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1989 RELEASE SUMMARY
LAKE CHARLES REFINERY

RELEASE, BS/YR

	AIR		WATER	LAND	
	NON-PT	POINT		ON-SITE	OFF-SITE
Aluminum Oxide	--	--	--	--	--
Ammonia	1600	NA	2200	NA	NA
Benzene	18000	8600	34	NA	110
13 Butadiene	1200	NA	NA	NA	NA
Chlorine	2000	NA	NA	NA	NA
Cobalt Compounds	--	--	--	--	--
Cumene	12000	660	17	NA	110
Cyclohexane	12000	2900	17	NA	110
Ethyl Benzene	7300	640	17	NA	210
Ethylene	14000	NA	NA	NA	NA
Hydrochloric Acid	610	30	0	NA	NA
Lead Compounds	400	0	0	NA	NA
Manganese Compounds	250	0	0	NA	NA
Methanol	1500	1200	0	NA	NA
MTBE	--	--	--	--	--
Molybdenum Trioxide	120	NA	NA	NA	NA
Naphthalene	7300	3200	34	NA	2200
Nickel Compounds *	--	--	--	--	--
Phosphoric Acid	NA	NA	0	NA	0
Propylene	110000	NA	NA	NA	NA
Sodium Hydroxide	--	--	--	--	--
Styrene	1100	0	17	NA	0
Sulfuric Acid	<499	480	0	NA	NA
Toluene	37000	7000	34	NA	380
1,2,4 Trimethylbenzene	8000	150	17	NA	110
Xylenes	37000	2500	17	NA	1000
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TOTAL	271880	27360	2404	0	4230

NA = Release is not applicable
-- = Not Reported In 1989

REPORT FORMS (FORM R)

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