

ETHYL CORPORATION

SAFETY PROGRAM

- I Personnel Assignments
- II Tank Cleaning Activities
- III Assessment of Safety Activities

KE 0002550

ETHYL CORPORATION
Eastern Region

August 8, 1968

To: All Men -- Eastern Region

Copy for _____

Subject: Product Service Assignments

Attached is the most recent listing of Mixing Plant and Laboratory Assignments according to our records.

If there should be any additions, deletions or corrections, please let me know.

J. C. Watt
J. C. Watt

JCW:lp

cc: Mr. K. C. Jost - 3
Mr. W. S. Alexander - 3
Mr. H. N. Godbey - 3
Mr. J. S. Maynard - 3
Mr. J. M. Rollins - 3

KE 0002551

EASTERN REGION

PLANT ASSIGNMENTS

<u>COMPANY</u>	<u>LOCATION</u>	<u>PLANT</u>	<u>SUPPLIER</u>	<u>FLUID</u>
<u>C. A. COLE</u>				
Cities Service R & D	Cranbury, N. J.	PDM	DuP	M
" " "	" "	Laboratory	DuP	M
<u>W. Y. HANCOCK</u>				
Atlantic Richfield Co.	Philadelphia, Pa.	8500	S	M
" " "	" "	(8500	S	M
		(15000 NS		
		(15000 NS		
Chevron Oil Co.	Barber, N. J.	4250	S	M
" " "	" "	8500	S	M
" " "	" "	Laboratory	E	M
Esso R & E	Bayway, N. J.	PDM Spec.	S	M
Esso R & E	Linden, N. J.	Microflex		
Getty Oil Co.	Delaware City, Dela.	15000 Pro	E	A
" " "	" " "	15000 Pro	S	M
" " "	" " "	Laboratory	S	
Gulf Oil Corporation	Philadelphia, Pa.	15000		M
" " "	" "	8500	S	A
" " "	" "	Laboratory		
Gulf Oil Corp. (Schuylkill River)	Philadelphia, Pa.	15000	DuP	M
" " " " "	" " "	15000	DuP	M
Hess Oil & Chemical Corp.	Perth Amboy, N. J.	Laboratory	S	M

EASTERN REGION
PLANT SIGNMENTS

COMPANY	LOCATION
<u>W. Y. HANCOCK</u> (Cont'd.)	
Hess Oil & Chemical Corp.	Port Reading, N. J.
" " " "	" " " "
Houdry Process Corp.	Linwood, Pa.
Humble Oil & Ref. Co.	Bayway, N. J.
" " " "	" "
" " " "	" "
" " " "	" "
Mobil Oil Corp.	Paulsboro, N. J.
" " "	" "
" " "	" "
" " "	" "
" " "	" "
" " "	" "
Rohm & Haas Co.	Philadelphia, Pa.
Sinclair Refining Co.	Marcus Hook, Pa.
" " "	" " "
Sun Oil Co.	Marcus Hook, Pa.
" " "	" " "
" " "	" " "
" " "	" " "
" " "	" " "
Sun Oil Co.	Twin Oaks, Pa.

<u>PLANT</u>	<u>SUPPLIER</u>	<u>FLUID</u>	<u>STATUS</u>
4250	S	M	Active
Laboratory	S	M	Active
Laboratory			CWC
15000	S	M	Active
15000	S	M	Active
15000	S	M	Active
Laboratory	S	M	Active
(4250	K	A	Active
(15000 NS			
(8500	K	M	Active
((15000 NS			
(MMIL			
((8500	K	M	Active
(15000 NS			
PDM	K		Inactive
Microflex	K	M	Active
Laboratory	K		Active
Laboratory			CWC
8500	DuP	M	Active
15000	DuP	M	Active
8500	DuP	M	Active
8500	DuP	M	Active
8500	DuP	M	Active
PDM	DuP	M	Active
Laboratory			Active
(15000	DuP	M	Active
(15000 NS			

KE 0002553

EASTERN REGION
PLANT ASSIGNMENTS

<u>COMPANY</u>	<u>LOCATION</u>
<u>W. Y. HANCOCK (Cont'd.)</u>	
Southwestern Oil & Ref. Co.	Sewaren, N. J.
Texaco, Inc.	Westville, N. J.
" "	" "
" "	" "
<u>H. E. HARRIS</u>	
Chevron Asphalt Co.	Mobile, Ala.
Cracker Asphalt Corp.	Douglasville, Ga.
Florida Hydrocarbons Co.	Brooker, Fla.
" "	" "
Hess Oil & Chem. Corp.	Doraville, Ga.
Hunt Oil Co.	Tuscaloosa, Ala.
MacDill Air Force Base	Tampa, Fla.
So. Carolina Dept. of Agri.	Columbia, S. C.
<u>R. W. KIMPTON</u>	
Ashland Oil & Ref. Co.	Tonawanda, N. Y.
" " " " "	" "
" " " " "	" "
Mobil Oil Corp.	Buffalo, N. Y.
" " "	" "

<u>PLANT</u>	<u>SUPPLIER</u>	<u>FLUID</u>	<u>STATUS</u>
3250			N.C. Inactive
15000	DuP	M	Active
8500	DuP	A	Active
Laboratory	DuP		Active
4250	N.C.		Inoperative
4250	N.C.		Not Constructed
8000 MB-U	S	M	Active
Laboratory	E	M	
Laboratory	E	M	CWC
4250	S	M	Active
Laboratory	E	?	CWC
Laboratory	?	?	CWC
(4250	S	M	Active
(8500 NS			
15000 MB			Under Construction
Laboratory	S	M	Active
8500	S	M	Active
Laboratory			Active

EASTERN REGION
PLANT ASSIGNMENTS

<u>COMPANY</u>	<u>LOCATION</u>
<u>H. U. LANDIS</u>	
Ashland Oil & Ref. Co.	Freedom, Pa.
Gulf R & D Co.	Harmarville, Pa.
" " " "	" "
" " " "	" "
Kendall Refining Co.	Bradford, Pa.
" " "	" "
Pennsylvania Ref. Co.	Karns City, Pa.
Pennzoil United, Inc.	Oil City, Pa.
" " "	" " "
Pennzoil United, Inc.	Pittsburgh, Pa.
Quaker State Oil Ref. Co.	Farmers Valley, Pa.
" " " " "	" " "
Quaker State Oil Ref. Co.	Emlenton, Pa.
" " " " "	" "
United Refining Co.	Warren, Pa.
" " "	
Wolf's Head Oil Ref. Co.	Reno, Pa.
" " " " "	" "
U. S. Bureau of Mines	Bruceton, Pa.
<u>B. B. LEWIS</u>	
Texaco, Inc.	Beacon, N. Y.
" "	" "

<u>PLANT</u>	<u>SUPPLIER</u>	<u>FLUID</u>	<u>STATUS</u>
Laboratory			CWC
PDM	E	M	Active
Lab Hood			Active Bldg. 20
Lab Hood			Active Bldg. 27
8500	S	M	Active
Laboratory			Active
1000			Inactive
8500	S	M	Active
Laboratory			Active
4250		M	Inactive
(3250	E	M	Active
(4250 NS			
Laboratory			Active
4250	E	M	Active
Laboratory		M	Active
(4250	S	M	Active
(11000			
Laboratory		M	Active
1000	S	M	Active
Laboratory		M	Active
Laboratory			CWC
PDM	DuP	M	Active
PDM	DuP	A	Active

KE 0002555

EASTERN REGION
PLANT ASSIGNMENTS

<u>COMPANY</u>	<u>LOCATION</u>
<u>W. W. SWEENEY (Cont'd.)</u>	
Elk Refining Co. " " "	Falling Rock, W. Va. " " "
Humble Oil & Refining Co.	Wilmington, N. C.
Quaker State Oil Ref. Co. " " " " "	St. Marys, W. Va. " "
National Bureau of Standards	Washington, D. C.
Tennessee Eastman Corp.	Kingsport, Tenn.
U. S. Navy	Norfolk, Va.

<u>PLANT</u>	<u>SUPPLIER</u>	<u>FLUID</u>	<u>STATUS</u>
4250	S	M	Active
Laboratory		M	Active
4250	E		Inactive
3250	S	M	Active
Laboratory		M	Active
Laboratory			CWC ?
Laboratory			CWC ?
Laboratory			CWC ?

KE 0002556

EASTERN REGION 1968

COMPANY, LOCATION, TYPE	MEETING		U N L	M I X	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.
	M	P												
<i>American Oil Co</i>														
<i>Ashtland O & R Co</i>	X	X	X	X										
<i>Atlantic Richfield</i>														
<i>Bayonne Indus. & Eng.</i>														
<i>Chascon Asphalt</i>									X					
<i>Chascon Oil Co</i>														
<i>Cities Service</i>														
<i>Cities Service R & D</i>														
<i>Coastal Asphalt</i>														
<i>Elk Refining</i>	X	X	X				X		X	X				
<i>ESSO R & E</i>	X	X								X	X			
<i>Florida Hydro.</i>														
<i>Guthy Oil Co</i>	X	X	X											
<i>Gulf (Phil.)</i>	X	X			X									
<i>Gulf (G. River)</i>	X	X			X									
<i>Gulf R & D</i>														
<i>Hess (Cokeville)</i>								X						

1968

COMPANY, LOCATION, TYPE	MEETING		U N I	M I X	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.
	M	P											
Bass (Port Arthur)								X					
" (Pt. Nequina)	X	X							X				
Humble (Bayway)	X	X							X				
" (N.C.)	X				X								
Hunt Oil Co	X	X		X					X				
Randall	X	X								X			
Mobil (Brooklyn)													
" (Buffalo)	X	X									X		
" (Pawtucket)						X							
" (Lob)	X	X				X							
Penn. Ref. Co.	X										X		
Penn. United (O.C.)	X	X								X			
" " (P.H.)	X									X			
Quaker State (F.V.)	X	X								X			
" " (Emt.)	X	X	X								X		
" " (F.R.)	X	X	X				X		X				
Sinclair	X	X	X			X							

1968

[illegible]

EASTERN REGION
1967

[illegible]

1967

COMPANY, LOCATION, TYPE	MEETING		U N L	M I X	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
	M	P											
Hess (Port Arthur)					X								
" (Pt. Barlow)													
Humble (Bayway)					X			X					
" (N.C.)									X				
Hunt Oil Co	X	X		X				X					
Kendall	X	X	X				X						
Mobil (Brooklyn)													
" (Buffalo)	X	X							X				
" (Pewaboro)													
" (Lab)	X	X				X							
Penn. Ref. Co.													
Penn. United (O.C.)	X	X						X					
" " (P.H.)	X							X					
Quaker State (F.V.)	X							X					
" " (Emt.)	X	X						X					
" " (F.P.)	X	X			X			X			X		
Sinclair	X	X	X		X								

1967

[illegible]

ETHYL CORPORATION
Mid-Continent Region

P B & S - DETROIT			
KCS	✓	MLP	MEP
ED	✓		VD
REC'D. MAY 1 - 1968			
JEW		VE	REC
		WWS	REC

MCR Product Service Circular

TO ALL REPRESENTATIVES:

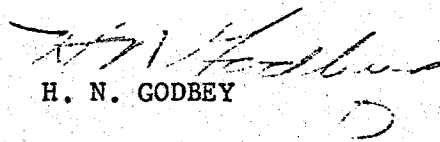
Safety Manual Section XIV

Plant Assignments

Copy for _____

April 29, 1968

Attached is a copy of latest Mixing Installation assignment list for Dallas and Tulsa Districts. If corrections are necessary, please let your District Manager and this office know.


H. N. GODBEY

HNG:reh

cc: K. C. Jost (6)
G. Forsdick (3)
C. A. Rankin
T. E. Dawson
D. A. Painter
M. J. Voorhies (3)

KE 0002563

MID-CONTINENT REGION

PLANT ASSIGNMENTS

J. W. EMERY, Dallas District Office

Anderson Refining Corp.	Tucker, Tex.	3250 TT	S	MLA-500 Br2
Arkla Chemical Corp.	Waskom, Tex.	3250 DWT	+	
Atlas Processing Co.	Shreveport, La.	4250	S	MLA-500
		8500-1	S	W1
Barbour Trucking Co.				
John B.	Iowa Park, Tex.	8500	Stored	
Cities Service Oil Co.	Daniels, Tex.	4250	E	MLA-500 R2
Cotton Valley Oper. Comm.	Cotton Valley, La.	8500	S	MLA-500 Br
				(all Ch1.)
Cotton Valley Solv. Co.	Cotton Valley, La.	4250	S	MLA-500 R4
Gratex Corporation	Graham, Tex.	1000 DWT &		
		1000 TT	#	
Ida Gasoline Co.	Oil City, La.	4250 TT	E	M33ICC733R1
	Trinidad, Tex.	4250 TT	E	M33ICC733R1
LaGloria Oil & Gas Co.	Tyler, Tex.	4250	S	W1
		4250	S	Av
		8000	S	W1
Petroleum Ind., Inc.	Irving, Tex.	DM-PDM	E	MLA-500 R2
Ft. Worth Refining Co.	Ft. Worth, Tex.	3250	S	M-Y-1
Longview Refining Co.	Longview, Tex.	4250	S	MLA-500 Y1
Sunray DX Oil Co.	Benton, La.	3250 TT	D&N	Tetramix
Tydal Company, The	Gainesville, Tex.	DM	+	
Williams Petroleum Co.	Burkburnett, Tex.	DM	D	M (all Ch1.)

Laboratories

Faulkner Shreveport, La.

R. P. HARGIS, Oklahoma City, Okla.

Apco Oil Corp.	Cyril, Okla.	4250	S	W1
Bell Oil & Gas Co.	Ardmore, Okla.	4250	S	W1
		8500	Stored	
	Grandfield, Okla.	4250	+	
		DM	#	
Champlin Petroleum Co.	Enid, Okla.	MBU 15000	S	MLA-250 W1
Mercury Oil Ref. Co.	Okla. City, Okla.	4250	+	
Midland Coop., Inc.	Cushing, Okla.	4250	S	W1
		8000	S	W1

+ Inactive
Inoperative

KF 0002564

J. W. KALEY, 9042 Harvest Court, Wichita, Kansas 67212

2.

American Petrofina Co.	El Dorado, Kan.	4250-1	S	W1
Apco Oil Corp.	Arkansas City, Kan.	4250-1	S	MLA-500 Y1
Century Refining Co.	Shallow Water, Kan.	4250	E	W1
Derby Refining Co.	Wichita, Kan.	4250	S	W1
		8500	S	W1
Diamond Shamrock Oil & Gas	Sheerin, Tex.	4250	S	Av
		15000	S	W1
Dorchester Gas Prod. Co.	Hooker, Okla.	8500	E	M33ICC-Y6
	White Deer, Tex.	4250 TT	E	M33ICC-Y6
Mobil Oil Corp.	Augusta, Kan.	8500	E	W1
		8500	E	Av
Phillips Chemical Co.	Borger, Tex.	PDM	+	
		VMB	Stored	
Phillips Petroleum Co.	Borger, Tex.	8500	D	M
		15000	D	M
		8500	D	Av
		8500-2	D	Av
	Wichita, Kan.	8500	D	
Skelly Oil Co.	El Dorado, Kan.	8500	+	
		15000-1	S	W1
Texaco Inc.	Amarillo, Tex.	4250	E	Av
		8500	E	M-R-1
Vickers Refining Co.	Potwin, Kan.	4250-1	+	

R. Q. LANDIS, 8714 Dudley Drive, San Antonio, Texas 78230

Adobe Refining Co.	Abilene, Tex.	4250 TT	+	
		PDM	+	
American Petrofina Co.	Hawley, Tex.	8500	+	
Chevron Oil Co.	El Paso, Tex.	4250	S	Av
		15000	S	W1
		4400	S	W1
Continental Oil Co.	Artesia, N.M.	4250	+	
		15000 TT	D	M
Cosden Oil & Chem. Co.	Big Spring, Tex.	8500	S	W1
		15000 TC-TT	S	W1
	Colorado City, Tex.	8500	+	
El Paso Nat. Gas Prod.	Brickland, N.M.	4250	#	
Famariss Oil & Ref. Co.	Hobbs, N.M.	PDM	#	
		8500 TT	S	M-Y-1
Howell Refining Co.	San Antonio, Tex.	4250 TC	S	M-W-1
		1000 TT	S	MLA-500 W1
		1000 TT	S	MLA-500 W1
		VMB	E	
Monarch Refining Co.	San Antonio, Tex.	4250	E	MLA-500 Y1
		PDM	+	
Petroleum Refining Co.	Lueders, Tex.	1000TT DWT	E	W1
		PDM	+	
Premier Oil Ref. Co.	Baird, Tex.	4250 TC-TT	+	
Shell Oil Co.	Ciniza, N.M.	15000	D	M-R-1
	Odessa, Tex.	4250	D-H	
		8500	D-H	M-R-1
Southwest Research Inst.	San Antonio, Tex.	VMB	+	
Tesoro Pet. Corp.	Carrizo Springs, Tex.	4250 TT	E	M33ICC-Y10
Texaco Inc.	El Paso, Tex.	4250	E	M-R-1

KE 0002565

L. G. LANG, El Dorado, Ark.

American Oil Co.	El Dorado, Ark.	4250-1	H	
		8500	#	
		15000	Res.Stg.	
Berry Petroleum Co.	Stephens, Ark.	DM-PDM	E	MLA-500 Y1
Claiborne Gasoline Co.	Lisbon, La.	4250 TT	S	MLA-500 W2
Delta Refining Co.	Memphis, Tenn.	4250	#	
		4250	#	
		4250	+	
		8500	S	
Ida Gasoline Co.	Kenova, Ark.	4250 TT	E	M-33
Lion Oil Co.	Pearson, Ark.	8500	S	W1
		15000	S	W1
Southland Oil Co.	Crupp, Miss.	4250	E	M-Y-1
	Sandersville, Miss.	4250	E	MLA-500 Y4
Southwest Gas Prod. Co.	Dubach, La.	8500	S	L

W. D. LEE, Tulsa District Office

Continental Oil Co.	Ponca City, Okla.	8500	S	W1
		15000-1	S	
		8500	D	
		VMB	Stored	
Kerr-McGee Corp.	Cleveland, Okla.	8500	S	MLA-500 W1
	Cushing, Okla.	8500	S	MLA-500 W1
	Wynnewood, Okla.	4250	#	
		15000	S	MLA-500 W1
		DM-PDM	#	
Okmulgee Refining Co.	Okmulgee, Okla.	8500	S	W1
Sequoia Refining Corp.	Ponca City, Okla.	8500	S	MLA-500 W1
		DuDM	+	
Sunray DX Oil Co.	Duncan, Okla.	8500-1	S	W1
		8500	S	
	Tulsa, Okla.	8500	S	MLA-250
		15000	S	MLA-250
		8500	S	
Tenneco Oil Co.	Bristow, Okla.	8500-1	+	
Texaco Inc.	W.Tulsa, Okla.	15000	D-H	

Laboratories

Okla. Miss. River Prod.	Drumright, Okla.
Phillips Petroleum Co.	Bartlesville, Okla.

A. G. WOSKA, Dallas District Office

American Petrofina Co.	Mt. Pleasant, Tex.	8500	S	W1
H. L. Hunt	Harleton, Tex.	4250DWT-TT	+	
		PDM	+	

+ Inactive

Inoperative

PLANT ASSIGNMENTS
SOUTHWESTERN REGION

Tommy Wicks

W. E. Andreae, Dallas District Office

American Petrofina Mount Pleasant, Tex. 8500 S W-1

H. L. Hunt Harleton, Tex. 4250 DWT-TT +
PDM

S. R. Bell, Houston District Office

Eddy Refining Houston, Tex. 4250 E W-1

Signal Oil & Gas. Houston, Tex. 8500 S W-1
8500-1 S W-1

Texas Compressor Corp. Hudson, Tex. 4250 +

Union Texas Petroleum Winnie, Texas 4250 S MLA 500

Laboratories

Warren Petroleum Co. Fairbanks, Tex.

H. D. Birkes
D. A. Birkes, Tulsa District Office

Continental Oil Co. Ponca City, Okla. 8500 S W-1
15000-1 S
8500 D
VMB Stored

Kerr-McGee Corp. Cleveland, Okla. 8500 S W-1
Cushing, Okla. 8500 S W-1
Wynnewood, Okla. 4250 +
15000 S W-1
DM-PDM +

Okmulgee Refining Okmulgee, Okla. 8500 S W-1

Sequoia Refining Ponca City, Okla. 8500 S W-1
DuDM +

Sunray DX Duncan, Okla. 8500-1 S W-1
Tulsa, Okla. 8500 S MLA 250
15000 S MLA 250
8500 S W-1

Tenneco Bristow, Okla. 8500-1 +

Texaco West Tulsa, Okla. 15000 D&H

Laboratories

Oklahoma Miss. River Prod. Drumright, Okla.

KE 0002567

K. M. Delambre, Houston District Office

Marathon Oil Co.	Texas City, Tex.	8500-1	S	W-1
		4250	S	W-1

Laboratories

Petro-Tex Chemical	Pasadena, Tex.
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A. J. DeLaune, 9927 Regency Drive, Baton Rouge, Louisiana

Canal Refining	Church Point, La.	4250	S	M-R-1
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Cities Service	Lake Charles, La.	(MMIL)	8500	S	W-1
			8500-3	S	A
		(MMIL)	8500-3	S	W-1

Continental	Westlake, La.	4250	S	W-1
		4250	S	W-1
		8500	D	A
		15000	UC	

Evangeline Refining	Jennings, La.	1000 TT	E	M-33
		4250 TT	E	M-33

Humble Oil	Baton Rouge, La.	15000	E	A
		15000	E	MLA 500
		15000	E	W-1
		15000	E	W-1
		PDM	E	

San Jacinto Gas Processing, Division, Continental Oil Co.	Egan, La.	8500	S	MLA 500- R-2
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Texaco	Convent, La.	22000-1	E	W-1 & TELMEL 50
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KE 0002568

J. W. Emery, Dallas District Office —

American Petrofina	Wichita Falls, Tex.	8500	+	
Anderson Refining Co.	Palestine, Tex.	3250 TT	S	MLA 500-Y-1
Arkla Chemical	Waskom, Tex.	3250 DWT	NC	MLA
Atlas Processing	Shreveport, La.	4250 8500-1	S S	MLA 500-R-2
Barbour Trucking Co., John B.	Iowa Park, Tex.	8500	Stored	
Cities Service	Daniels, Tex.	4250	E	MLA 500-R-2
Cotton Valley Operators	Cotton Valley, La.	8500	S	MLA 500 W-2
Cotton Valley Solvents	Cotton Valley, La.	4250 DM-PDM	S E	MLA 500 R-4 M-33
Gratex	Graham, Tex.	1000 TT	+	
Ida Gasoline	Oil City, La. Trinidad, Tex.	4250 TT 4250 TT	E E	M-33 M-33
LaGloria	Tyler, Texas	4250 4250 8500	S S UC	W-1 Aviation
Petroleum Industries	Irving, Texas	DM-PDM	E	M-33
Fort Worth Refining	Fort Worth, Tex.	3250	E	M-Y-1
Longview Refining Co.	Longview, Tex.	4250	S	MLA 500 Y-1
Sunray DX Oil Co.	Benton, La.	3250 TT	D	
Tydal Company, The	Gainesville, Tex.	DM	+	
Williams Petroleum Co.	Burkburnett, Tex.	DM	D	M
<u>Laboratories</u>				
Faulkner	Shreveport, La.			

KE 0002569

T. Gillen, 1925 Longfellow, Beaumont, Texas 77706

Atlantic-Richfield	Atreco, Tex.	8500	S	W-1
		8500-1	S	W-1
Gulf Oil	Port Arthur, Texas	8500	S	W-1
		15000	S	W-1
		8500	D	A
Mobil Oil	Beaumont, Texas	8500	S	A
		8500	S	W-1
		8500-1	S	W-1
		15000	Nal.	TML
Pure Oil	Smiths Bluff, Tex.	8500	S	MLA 250
		8500-1		W-1
		DM	D	A
South Hampton	Silsbee, Tex.	4250	S	MLA 500
Texaco Inc. (Refinery)	Port Arthur, Tex.	8500	S	W-1
		15000-2	S	A
		8500	S	W-1
(Terminal)		4250		+
		15000		W-1
Union Texas	Beaumont	TT-D		MLA 500
	Port Neches	TT-D		MLA 500

Laboratories

Sun Oil Nederland, Tex.

R. P. Hargis, 413 Claromont Drive, El Dorado, Arkansas

American Oil	El Dorado, Ark.	4250-1	H	
		8500	#	
Berry Petroleum	Stephens, Ark.	DM-PDM	E	MLA 500 Y-1
California Co.	Dubach, La.	4250	D	
Claiborne Gasoline	Lisbon, La.	4250 TT	S	MLA 500- W-2
Delta Refining	Memphis, Tenn.	4250	+	
		8500	S	W-1
		4250	Stored	
Ida Gasoline	Kenova, Ark.	4250 TT	E	M-33
Lion Oil	Pearson, Ark.	8500	S	W-1
		15000	S	W-1
		4250	E	M-Y-1

*Mid continent
regional*

KE 0002570

now independent Reg

J. W. Kaley, 9042 Harvest Court, Wichita, Kansas 67212

American Petrofina	El Dorado, Kan.	4250-1	S	W-1
Apco Oil	Arkansas City, Kan.	4250-1	S	MLA 500-Y-1
Century Refining	Shallow Water, Kan.	4250	E	W-1
Derby Refining	Wichita, Kan.	4250	S	W-1
		8500	S	W-1
Dorchester Gas	Hooker, Okla.	8500	E	M-33-ICC-Y-6
	White Deer, Tex.	4250 TT	E	M-33-ICC-Y-6
Mobil Oil	Augusta, Kan.	8500	E	W-1
		8500	E	A
Phillips Chemical Co.	Borger, Tex.	PDM	E	M&A
		VMB	Stored	
Phillips Petroleum Co.	Borger, Tex.	8500	D	M
		15000	D	M
		8500	S	A
		8500-2	S	A
	Wichita, Kan.	8500	D	
Shamrock Oil & Gas	Sheerin, Tex.	4250	S	A
		15000	S	W-1
Skelly Oil	El Dorado, Kan.	8500	+	
		15000-1	S	W-1
Texaco	Amarillo, Tex.	4250	H	A
		8500	H	M-R-1
Vickers Refining	Potwin, Kan.	4250-1	+	

Now in King

R. Q. Landis, 8714 Dudley Drive, San Antonio, Texas 78230

American Petrofina	Hawley, Tex.	8500	+	
Chevron Oil Co.	El Paso, Tex.	4250	S	A
		15000	S	W-1
		4400	S	TML
Continental Oil Co.	Artesia, N. M.	4250	+	
		15000	TT D	M
Cosden Oil & Chemical	Big Spring, Tex.	4250	+	
		4250	+	
		8500	S	W-1 &
		15000	S	Aviation
		TTD	+	
	Colorado City, Tex.	8500	+	
El Paso Natural Gas Prod.	Brickland, N.M.	4250	#	
Famariss Oil & Ref. Co.	Hobbs, N. M.	PDM	S	M-Y-1
		8500	TT S	M-Y-1
Howell Refining Co.	San Antonio, Tex.	4250	TT-TC S	M-33-ICC-Y-6
		1000	TT E	& M-Y-1
		1000	TT S	
		VMB	E	
Monarch Refining Co.	San Antonio, Tex.	4250	E	MLA 500-Y-1
		PDM	+	
Petroleum Refining Co.	Lueders, Tex.	1000	TT DWT E	W-1
		PDM	+	
Adobe Refining Co.	Abilene, Tex.	4250	TT +	
		PDM	+	
Premier Oil Ref. Co. of Tex.	Baird, Tex.	4250	TC-TT +	
Shell Oil Co.	Ciniza, N.M.	15000	D	M-R-1
	Odessa, Texas	4250	+	
		8500	B-H	M-R-1
Southwest Research	San Antonio, Tex.	VMB	NC	
Tesoro	Carrizo Springs, Tex.	4250	TT E	M-33-ICC-Y-10
Texaco	El Paso, Tex.	4250	E	M-R-1
Valera	Tye, Tex.	4250	TT D	Tetramix

J. S. Morton, 6169 Paris, Apartment 111, New Orleans, Louisiana 70124

Cities Service Oil Co.	St. Rose, La.	4250	+	
		8500	+	
Clark Refining	Marrero, La.	4250	+	
Gulf Oil	Purvis, Miss.	8500	E	W-1
	Venice, La.	11000 TT	E	W-1
Murphy Oil	Meraux, La.	4250	E	W-1
		8500	D	W-1
Shell Oil Co.	Norco, La.	8500	E	A
		15000	E	M-Y-1
		15000	E	&
	MMIL	15000	E	M-R-6
	MMIL	15000	E	
Standard Oil Company (Ky)	Pascagoula, Miss.	15000	D	TML
		15000	D	TML
		15000	D	M
		15000	D	M
		15000	D	A
Tenneco Oil Co.	Chalmette, La.	4250	S	W-1
		4250	S	W-1
		15000	S	W-1
		15000	S	W-1

Laboratories

E. W. Saybolt & Co. New Orleans, La.

Jack Martin

W. H. Sievert, Houston District Office

American Petrofina	Blessing, Tex.	1000 DWT	+	
Alcoa	Point Comfort, Tex.	3250	D	
American Oil Co.	Texas City, Tex.	8500-1	S	W-1
		8500-1	S	W-1
Crown Central Petroleum	Pasadena, Tex.	8500-1	S	W-1
		8500	S	W-1
Humble Oil	Baytown, Tex.	8500-1	S	W-1
		15000	S	W-1
		15000	S	A
		VMB	E	
Phillips Petroleum	Freeport, Tex.	8500	D	A
		15000 TC-TT		W-1
	Sweeny, Tex.	8500	S	W-1
		8500	S	A
		15000-1	S	W-1
Shell Oil Company	Deer Park, Tex.	8500-2	S	MLA 500
		8500-1	S	A
Sinclair Refining	Houston, Tex.	4250-2	S	MTA-250-
		8500	D	W
		15000	S	
Texas City Refining	Texas City, Tex.	8500	S	A
		15000	S	W-1

Laboratories

Charles Martin & Company	Houston, Tex.
E. W. Saybolt & Co.	Houston, Tex.

E. M. Smith, 409 Poenisch Drive, Corpus Christi, Texas 78412

Adobe Refining Co.	Brownsville, Tex.	4250	+	
	La Blanca, Tex.	DM	S	M
Associated Oil & Gas	Banquette, Tex.	1000 TT	E	MLA 500-Y-1
Coastal States	Corpus Christi, Tex.	8500	S	MLA 500
		8500	Stored	
		8500	Stored	
Danaho	Pettus, Tex.	4250	+	
		DM	+	
Hess Oil & Chemical	Corpus Christi, Tex.	8500	S	MLA 500
		8500	S	MLA 500
Houston Natural Gas	Tuleta, Tex.	4250	+	
Howell Refining Co.	Corpus Christi, Tex.	4250	S	M-Y-1
Mobil Oil Co.	Corpus Christi, Tex.	8500	+	
Mobil (Seeligson Project)	Premont, Tex.	15000	+	
Pontiac Refining	Corpus Christi, Tex.	4250	S	MLA 500
		8500-1	+	
		8500	S	MLA 500
		15000	Stored	
Rado Refining	McAllen, Tex.	4250	E	M-Y-1
Service Boiler Works	Corpus Christi, Tex.	4250	Stored	
Southwestern Oil & Refining	Corpus Christi, Tex.	8500	S	W-1 &
		15000	S	TML
Suntide Refining	Corpus Christi, Tex.	8500	S	W-1-
		15000	S	TML -
	MMIL	15000	S	& A
Tenneco	McAllen, Tex.	8500	+	
Trinity Gas	Benavides, Tex.	4250	+	

Laboratories

Charles Martin & Company	Corpus Christi, Tex.
E. W. Saybolt & Company	Corpus Christi, Tex.

*now mid content
E-2 gm*

A. G. Woska, 2817 N.W. 45th Street, Oklahoma City, Oklahoma 73112

Apco Oil Corporation	Cyril, Okla.	4250	S	W-1
Bell Oil & Gas Co.	Ardmore, Okla.	4250 8500	S Stored	W-1
	Grandfield, Okla.	4250 DM	+ #	
Champlin Petroleum Co.	Enid, Okla.	MBU 15000	S	MLA 250- W-1
Mercury Oil Refining Co.	Oklahoma City, Okla.	4250	NC	
Midland Cooperatives, Inc.	Cushing, Okla.	4250 8000	S S	W-1 W-1

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

P S & S - DETROIT			
KCJ	✓	NLP	HBR
LD	✓		VD
REC'D. JUL 25 1968			
JFW		VR	RJO
		WWS	HBG

TO Mr. K. C. Jost ADDRESS Detroit

FROM W. S. Alexander ADDRESS Los Angeles

SUBJECT Mixing Installation Assignments - DATE July 23, 1968
Western Region

Dear Ken:

Per your letter of May 3, 1968, we are attaching our listing of mixing plant assignments for the Western Region.

We apologize for the delay, but I am sure you realize this is due to the personnel moves and changes that have occurred.

No fluid data is given due to frequent changes being made by our customers in the Western Region.

Very truly yours,

W. S. Alexander

WSA:fb

Attach.

KE 0002577

WESTERN REGION
MIXING INSTALLATIONS

NAME AND LOCATION OF COMPANY	LABORATORY	TYPE PLANT	WORK SHEET <u>ASSIGNED</u>
AMERICAN GILSONITE COMPANY			
Gilsonite, Colorado	X	8500 (M)	K.H. DIAL
AMERICAN OIL COMPANY			
Casper, Wyoming	X	4250 (A) 8500 (M)	R.A. DUNAWAY
Mandan, North Dakota	X	15000 (M)	R.A. DUNAWAY
Salt Lake City, Utah	X	(4250 (M) ns (15000 (M) 8500 (A) (MIL)	K.H. DIAL
ATLANTIC RICHFIELD COMPANY			
Wilmington, California	X	(15000 (M) (Load Cells) (MMIL) (15000 (M) (Load Cells) (MMIL) (15000 (M) (Load Cells) (MMIL) (15000 (M) (Load Cells) (MMIL) (15000 (A) (Load Cells) (MMIL)	D.B. CONNELL
Anaheim, California	VMB		D.B. CONNELL
BEACON OIL COMPANY			
Hanford, California	X	4250 (M) 4250 (M)	C.D. MICHEL
BIG WEST OIL COMPANY OF MONTANA			
Kevin, Montana		DM/LD (M)	R.A. DUNAWAY
BLACK HILLS REFINERY			
Newcastle, Wyoming		PDM (M) (Inoperative)	J.H. CAUBACH

CANYON Refinery Inc.
Bloomfield, N.Mex

4250 (CONST.) K.H. DIAL

WESTERN REGION
MIXING INSTALLATIONS

Assignments

NAME AND LOCATION OF COMPANY	LABORATORY	TYPE PLANT	WORK SHEET
CARIBOU FOUR CORNERS OIL CO., INC.			
Woods Cross, Utah		4250 TT (M33)	C.H. DIAL
Kirtland, New Mexico		3250 TT (M33)	C.H. DIAL
GREAT FALLS, MONTANA		4250 TT (COLST)	R.A. DUNAWAY
CHEVRON OIL COMPANY - WESTERN DIVISION			
North Salt Lake City, Utah	X	8500 (A) 15000 (M)	K.H. DIAL
CONTINENTAL OIL COMPANY			
Billings, Montana	X	8500 (M) (MMIL)	R.A. DUNAWAY
Denver, Colorado	X	4250 (M) 1000 (DWT) Inoperative (Formerly Empire)	J.H. CAUBACH
CRA, INC.			
Scottsbluff, Nebraska	X	4250 (M)	J.H. CAUBACH
DIAMOND ASPHALT COMPANY			
Chinook Montana		DM (M) (Inactive)	R.A. DUNAWAY
DOUGLAS OIL COMPANY OF CALIFORNIA			
Paramount, California		4250 (M) (MIL)	D. FORSDICK
Santa Maria, California		4250 (M) Inactive	C.P. MICHEL
EDGINGTON OIL REFINERIES, INC.			
Wilmington, California		TT Blending Directly to Mixing Tank-No WT-Inactive	D. FORSDICK
FARMERS UNION CENTRAL EXCHANGE, INC.			
Laurel, Montana	X	4250 (M)	R.A. DUNAWAY

WESTERN REGION
LOS ANGELES, CALIFORNIA

Assignments

NAME AND LOCATION OF COMPANY	LABORATORY	TYPE PLANT	WORK SHEET
FLETCHER OIL COMPANY			
Wilmington, California	X	4250 TT (M33) Inactive	D. FORSDICK
FRONTIER REFINING COMPANY			
Cheyenne, Wyoming	X	8500 (M)	J. H. LADBACH
Farmington, New Mexico		4400 (CD) (M33) (TT)	K. A. DIAL
North Salt Lake City, Utah	X	4400 (CD) (M) DM (M)	K. A. DIAL
GOLDEN EAGLE REFINING CO., INC.			
Torrance, California	X	4250 TT (M) (Inactive)	D. FORSDICK
GOLDEN STATE OIL COMPANY			
Long Beach, California		DM (M33)	D. B. CONNELLEY
GORDON REFINING COMPANY			
Greybull, Wyoming		PDM (M)	R. A. DUNAWAY
GREAT WESTERN REFINING COMPANY			
Dickinson, North Dakota	X	4250 (M) Inoperative	R. A. DUNAWAY
GULF OIL CORPORATION			
Santa Fe Springs, California	X	(8500 (M) PRO ns(15000 (M)	D. FORSDICK
HUMBLE OIL & REFINING COMPANY			
Benicia	X		F. L. SMITH (Under construction)
Billings, Montana	X	15000 (M) 8500 (A)	R. A. DUNAWAY
HUSKY OIL COMPANY			

KE 0002581

WESTERN REGION
MIXING INSTALLATIONS

Assignments

NAME AND LOCATION OF COMPANY	LABORATORY	TYPE PLANT	WORK SHEET
JET FUEL REFINERY			
Mosby, Montana		PDM (M)	R.A. DUNAWAY
KERN COUNTY REFINERY, INC.			
Bakersfield, California	X	8500 (M)	C.P. MICHEL
MACMILLAN RING-FREE OIL CO., INC.			
Long Beach, California		4250 TT (M) Inactive	D.B. CONNELL
MANESPO REFINING COMPANY			
Long Beach, California		1000 TT (M) Inactive DM/LD (A) Inactive	D. FORSDICK
MOBIL OIL CORPORATION			
→ Casper, Wyoming ←	X	8500 (M)	R.A. DUNAWAY
Ferndale, Washington	X	8500 (M) 8500 (M)	J.D. DAVIS
Torrance, California	X	(8500 (M) (15000 (M) 8500 (A)	D. FORSDICK
MOHAWK PETROLEUM CORPORATION			
Bakersfield, California	X	4250 (M) 8500 (M)	C.P. MICHEL
MORRISON REFINING COMPANY			
Grand Junction, Colorado		DM (M33)	K.H. DIAL
MOUNTAINEER REFG. Co. (a Barge Co.)		PDM (CONST)	K.H. DIAL
NEVADA REFINING COMPANY			
Ely, Nevada		DM (M33)	K.H. DIAL
NEWHALL REFINING COMPANY			
Newhall, California	X	4250 TT (M33)	C.P. MICHEL
ORIENTAL REFINING COMPANY			
Alamosa, Colorado		DM (M) (Inactive)	J.H. LAUBACH

KE 0002580

WESTERN REGION
MIXING INSTALLATIONS

Assignments

NAME AND LOCATION OF COMPANY	LABORATORY	TYPE PLANT	WORK SHEET
PHILLIPS PETROLEUM COMPANY			
Avon, California	X	15000 (M) (MMIL) Load Cells 15000 (M) (MMIL) Load Cells 15000 (A) (MMIL) Load Cells (8500 (M) (Inactive) ns(15000 (M) (Inactive) 15000 (A) (Inactive)	F.L. SMITH
Great Falls, Montana	X	4250 (M)	R.A. DUNAWAY
Wilmington, California	X	(4250 (M) ns (8500 (M)	W.S. ALEXANDER
Woods Cross, Utah	X	(4250 (M) ns (8500 (M)	K.H. DIAL
PLATEAU, INC.			
Bloomfield, New Mexico		4250 TT (M33)	K.H. DIAL
POWERINE OIL COMPANY			
Santa Fe Springs, California	X	4250 TT (M) 8500 TT (M)	W.S. ALEXANDER
SAGE CREEK REFINING COMPANY			
Cowley, Wyoming		PDM (M33) (M)	R.A. DUNAWAY
SEASIDE OIL COMPANY			
Ventura, California		4250 (M)	C.D. MICHEL
SEQUOIA REFINING CORPORATION			
Hercules, California	X	8500 (M) (MIL) Load Cells 8500 (M) (MIL) Load Cells	F.L. SMITH

WESTERN REGION
MIXING INSTALLATIONS

ASSIGNMENT

NAME AND LOCATION OF COMPANY	LABORATORY	TYPE PLANT	WORK SHEET
SHELL OIL COMPANY			
Anacortes, Washington	X	15000 (PRO) (M) 8500 (PRO) (M)	J. D. DAVIS
Dominguez, California	X	8500 (M) (MMIL) (Comparator) 8500 (M) (MMIL) RT 8500 (A) (MMIL) ns(15000 (A) (Inactive) ns(15000 (A) (Inactive)	D. FORSDICK
Martinez, California	X	8500 (MMIL) Load Cells 8500 (MMIL) Load Cells 8500 (MMIL) Load Cells	F. L. SMITH
Wilmington, California		(8500 (M) (Inactive) (8500 (M) (Inactive) 4250 (A) RT (Inactive)	D. FORSDICK
SIGNAL OIL AND GAS COMPANY			
Bakersfield, California	X	8500 (M)	C. P. MICHEL
Maricopa, California		1000 DWT (M) (Inactive)	C. P. MICHEL
SINCLAIR REFINING COMPANY			
Sinclair, Wyoming	X	8500 (M) (8500 (A) (MIL) ns(15000	J. A. LAUBACH
SIOUX OIL COMPANY			
Newcastle, Wyoming	X	3250 TT DWT 3250 (Stored)	J. A. LAUBACH

WESTERN REGION
MIXING INSTALLATIONS

Assignments

NAME AND LOCATION OF COMPANY	LABORATORY	TYPE PLANT	WORK SHEET
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STANDARD OIL COMPANY OF CALIFORNIA

Bakersfield, California	X	8500 (M) 4250 (A)	C.P. MICHAEL
El Segundo, California	X	(8500 (M) ns(15000 (M) (15000 (M) ns (15000 (M) 15000 (A)	H.J. GERBER
Richmond, California	X	(8500 (M) (MMIL) (8500 (M) (MMIL) ns(15000 (M) ns(15000 (M) ns(15000 (M) (8500 (A) (MMIL) ns(15000 (A)	F.L. SMITH

SUNLAND REFINING CORPORATION

Bakersfield, California	X	1000 TT (M) 4250 TT (M)	C.P. MICHAEL
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TENNECO OIL COMPANY

Denver, Colorado		4250 (M)	J.H. LAUBACH
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TESORO PETROLEUM CORPORATION

Wolf Point, Montana		DM (M)	R.A. DUNAWAY
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TEXACO INC.

Anacortes, Washington		(8500 (PRO) (M) (8500 (PRO) (M)	J.D. DAVIS
Casper, Wyoming	X	8500 (M)	R.A. DUNAWAY
Wilmington, California	X	(8500 (M) ns(15000 (M) (8500 (A) (4250 (A) RT	D. FORSDICK

WESTERN REGION
MIXING INSTALLATIONS

ASSIGNMENTS

NAME AND LOCATION OF COMPANY	LABORATORY	TYPE PLANT	WORK SHEET
U. S. OIL & REFINING CO.			J. D. DAVIS
Tacoma, Washington	X	4250 (M)	
UNION OIL COMPANY OF CALIFORNIA			
Cut Bank, Montana	X	4250 (M)	R. A. DUNAWAY
Oleum, California	X	15000 (PRO) TT (M) (MIL) Controller 15000 (PRO) CD TT (M) (MIL) F. L. SMITH	
Wilmington, California	X	(15000 (M) (MMIL) Controller (15000 (M) (MMIL) Controller (8500 (A) (MMIL) RT	D. FORSDICK
WESTLAND OIL COMPANY			R. A. DUNAWAY
Williston, North Dakota		4250 (M) (MIL)	
WESTOIL TERMINALS			W. S. ALEXANDER
Wilmington, California		4250 (M) (Closed)	

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO K. C. Jost ADDRESS Detroit
FROM J. S. Maynard ADDRESS Chicago
SUBJECT TANK CLEANING ACTIVITIES DATE August 30, 1968

Dear Ken,

In accordance with your request of August 6, attached is a report of the Central Region tank cleaning activities from January 1967 through August 1968.

Yours very truly,

J. S. Maynard
J. S. MAYNARD

JSM/cl
Attach.

PCD DETROIT	
REFER TO	REFER TO
RJO	KCJ
HBG	NLP
EAD	
WWS	DMG
JCB	
TEL	WEA
EJF	JK
GWM	CCS
	RETURN TO CAG

SEP 3 1968

CENTRAL REGION
TANK CLEANING ACTIVITIES

1967 - 1968

<u>CUSTOMER LOCATION</u>	<u>TANK NO.</u>	<u>TYPE</u>	<u>CUST. WORK DAYS</u>	<u>NO. LIA TESTS</u>	<u>ETHYL REP.</u>	<u>DATE</u>
<u>American Oil Co.</u> Wood River, Ill.	162	Ref.	4-1/2	4	FDB	2-22-67
<u>Ashland Oil & Ref. Co.</u> Findlay, Ohio	286	Ref.	20	2	WFP	1-12-67
Toledo "	18	Term	2	1	"	10-25-67
" "	19	"	2	1	"	11- 4-67
Clarksville, Ind.	505	"	1-3/4	1	"	3- 9-67
Toledo, Ohio	20	"	2	1	"	11-18-67
Canton, "	65	Ref.	2	1	"	3-14-68
<u>Cities Service Oil Co.</u> E. Chicago, Ind.	35	Ref.	3-1/2	2	ADM	6- 5-67
" " "	40	"	6	1	"	6-26-67
" " "	45	"	7	1	"	7-13-67
" " "	46	"	5	1	"	8- 9-67
" " "	41	"	9	1	"	8-28-67
" " "	38	"	4	1	"	3-25-68
" " "	37	"	4	1	"	4- 8-68
" " "	61	"	4	1	"	7-11-68
<u>CPA, Inc.</u> Coffeyville, Kans.	8003	Ref.	3	1	HMS	1-25-67
" "	8004	"	4	1	"	1-22-68
<u>Great Northern Oil Co.</u> Pine Bend, Minn.	82	Ref.	3-1/4	3	MLO	6-12-68
" " "	12	"	5	3	"	7-10-68
<u>Gulf Oil Corp.</u> Bay City, Mich.	102	Term	6	1	HUL	6- 7-67
Evansville, Ind.	105	"	1	1	"	4- 3-68
<u>Louisville Ref. Co.</u> (Div. of Ashland Oil) Louisville, Ky.	Employee Storage	-	1/4	0	WFP	10-31-67
<u>Marathon Oil Co.</u> Flint, Mich.	402	Term	1	1	MJA	9- 1-67

CENTRAL REGION
TANK CLEANING ACTIVITIES

1967 - 1968

<u>CUSTOMER</u> <u>LOCATION</u>	<u>TANK</u> <u>NO.</u>	<u>TYPE</u>	<u>CUST.</u> <u>WORK</u> <u>DAYS</u>	<u>NO.</u> <u>LIA</u> <u>TESTS</u>	<u>ETHYL</u> <u>REP.</u>	<u>DATE</u>
<u>Mobil Oil Corporation</u>						
Clearmont, Indiana	11	Term	3	0	CAC	5-11-67
Milwaukee, Wisc.	1157	"	3	0	"	6- 7-67
" "	1155	"	4	0	"	6-13-67
E. Chicago, Ind.	111	Ref.	4	1	"	12-11-67
" " "	106	"	3	0	"	7- 1-68
" " "	108	"	2	1	"	7- 5-68
<u>Mobil Pipeline Co.</u>						
Topeka, Kans.	2868	Term	1	2	CHW	4-16-68
<u>Monsant</u>						
(Formerly Clark Oil)						
St. Louis, Mo.	1	Term	3	1	JRC	6-19-67
" " "	4	"	1	1	"	6-22-67
" " "	2	"	2	2	"	6-23-67
" " "	3	"	1	2	"	6-23-67
<u>National Cooperative Ref.</u>						
Council Bluffs, Iowa	A-100	Term	2	1	ATB	4-24-67
<u>Phillips Petroleum Company</u>						
E. St. Louis, Ill.	6806	Term	5	1	ADM	2-28-67
" " " "	6808	"	4	1	"	10-24-67
<u>Pure Oil Company</u>						
Bay City, Mich.	208	Term	3-1/2	1	FDB	5-22-67
Bettendorf, Iowa	4	"	3	1	"	12-11-67
(Div. of Pure-Union)						
<u>Sinclair Refining Co.</u>						
Hartford, Ill.	80-5	Ref.	4	1	BBL	1-12-67
Wood River, Ill.	80-7	Term	4	5	"	5-16-68
<u>Standard Oil Co. (Ohio)</u>						
Cleveland, Ohio	163	Ref.	2	1	MJA	6-27-68
" "	161	"	2	1	"	7- 1-68
<u>Sun Oil Company</u>						

KF 0002598

CENTRAL REGION
TANK CLEANING ACTIVITIES

1967 - 1968

<u>CUSTOMER LOCATION</u>	<u>TANK NO.</u>	<u>TYPE</u>	<u>CUST. WORK DAYS</u>	<u>NO. LIA TESTS</u>	<u>ETHYL REP.</u>	<u>DATE</u>
<u>Sun Oil Company - Cont'd</u>						
Cleveland, Ohio	36	Term	1	1	EAM	5- 1-68
Toledo, "	421	Ref.	6	1	"	5-23-68
" "	29	"	4	1	"	6-20-68
	(Spheroid)					
<u>Texas Eastern Transmission</u>						
Lebanon, Ohio	3309	Term	7	1	CLEVE. DIST.	6- 8-67
<u>Texaco Inc.</u>						
Louisville, Ky.	20697	Term	3-1/2	1	BBL	6-12-67
" "	18115	"	2	4	"	6-26-67

EASTERN REGION
TANK CLEANING ACTIVITIES

1967 - 1968

<u>CUSTOMER</u> <u>LOCATION</u>	<u>TANK</u> <u>NO.</u>	<u>TYPE</u>	<u>CUST.</u> <u>WORK</u> <u>DAYS</u>	<u>NO.</u> <u>LIA</u> <u>TESTS</u>	<u>ETHYL</u> <u>REP.</u>	<u>DATE</u>
<u>Ashland Oil & Ref. Co.</u>						
Freedom, Pa.	813	Ref.	2	1	HUL	6- 3-68
" "	811	"	2	1	HUL	5-24-68
" "	813	"	4	1	HUL	5- 4-68
<u>Atlantic Pipeline Co.</u>						
Pittsburgh, Pa.	66	Term.	1	1	KD	7-25-67
<u>Atlantic Richfield Co.</u>						
New Haven, Conn.	6	Term.	1-1/2	1	JCW	6-11-68
Pittsburgh, Pa.	235	"	3	1	HUL	6- 6-68
" "	83	"	2	1	HUL	6- 6-68
" "	126	"	1	1	HUL	6-18-68
Newark, N. J.	6	"	4	1	GFO	6- 3-68
" "	4	"	3	1	KD	3-22-68
Philadelphia, Pa.	28	Ref.	6	3	KD	1-31-68
					"	2- 2-68
					"	3-20-68
Newark, N. J.	4	Term.	?	2	GFO	1- 3-68
" "	6	"	?	1	"	1- 5-68
Tonawanda, N. Y.	9	"	3	3	GFO	12- 6-67
					RWK	10-25-67
<u>Chevron Oil Co.</u>						
Paulsboro, N. J.	1	"	2	1	KD	4- 4-68
" "	6	"	2	1	KD	4- 4-68
" "	7	"	6	2	KD	10- 3-67
					"	10- 9-67
Perth Amboy, N. J.	305	Ref.	7	1	KD	8-17-67
" " "	751	"	5	1	KD	6-21-67
<u>Cities Service Oil Co.</u>						
Vestal, N. Y.	4	Term.	1	1	JCW	7-15-68
Utica, N. Y.	2	"	1	1	GFO	10-20-68
Rochester, N. Y.	4	"	4-1/2	1	RWK	7-15-67
<u>Getty Oil Co.</u>						
Newark, N. J.	3	"	1	1	JCW	5-23-68
" "	1	"	1	1	JCW	5-23-68
" "	21	"	4	1	GFO	5-13-67
" "	20	"	7	1	JCW	3-13-68
" "	1	"	2-1/2	1	KD	4-25-67
" "	3	"	2-1/2	1	KD	4-21-67
" "	7	"	3	1	KD	4- 5-67

CUSTOMER LOCATION	TANK NO.	TYPE	CUST. WORK DAYS	NO. LIA TESTS	ETHYL REP.	DATE
<u>Gulf Oil Corp.</u>						
Kingston, Pa.	102	Term.	2	1	WYH	7-29-68
Mechanicsburg, Pa.	105	"	1	1	WYH	7-11-68
" "	106	"	1	1	WYH	7- 9-68
Panama City, Fla.	101	"	?	3	HEH	6-17-68
" "					"	6-24-68
" "					"	7- 2-68
" " "	103	"	2	1	HEH	5-21-68
Greensboro, N. C.	104	"	1-1/2	1	WWS	6- 3-68
Charleston, S. C.	753	"	4	1	WWS	5-14-68
Tonawanda, N. Y.	111	"	?	1	RWK	2-13-68
Rome, Ga.	104	"	2	1	HEH	2-15-68
Staten Island, N. Y.	95	"	6	1	GFO	10-30-67
Datona Beach, Fla.	3	"	1	1	HEH	10-17-67
Port Everglades, Fla.	110	"	3	1	HEH	9-16-67
" " "	109	"	4	1	HEH	9-16-67
Williamsport, Fla.	101	"	3	1	KD	8- 6-67
Aberdeen, N. C.	A	"	?	1	FYM	7-21-67
Rochester, N. Y.	103	"	2	1	JSK	5- 1-67
Athens, Ga.	101	"	2	1	HEH	4-13-67
" "	102	"	2	1	HEH	4-13-67
<u>Humble Oil & Refg. Co.</u>						
Burlington, Vt.	5	"	1	1	JCW	5-15-68
" "	9	"	3	1	GFO	6-24-68
Utica, N. Y.	21	"	1	1	JCW	6- 6-68
" "	22	"	1-1/2	1	JCW	6-13-68
New Haven, Conn.	33	"	2	1	GFO	6- 1-68
Utica, N. Y.	20?	"	2	1	GFO	5-24-68
Burlington, N. Y.	7	"	1	1	JCW	5-17-68
Knoxville, Tenn.	10	"	1	1	HEH	3-15-68
" "	9	"	1	1	HEH	3-15-68
" "	11	"	1	1	HEH	3-15-68
" "	24	"	3	1	HEH	2-15-68
" "	8	"	2	1	HEH	2-22-68
" "	3	"	2	1	HEH	2-22-68
Everett, Mass.	145	"	4	2	JCW	10- 2-67
" "	143	"	3	1	JCW	9- 5-67
Tonawanda, N. Y.	22	"	3	4	RWK	8-30-67
" "					"	8-31-67
Rochester, N. Y.	27	"	7	2	RWK	7- 7-67
" "	31	"	2	1	RWK	6-19-67
Salisbury, N. C.	1	"	1	1	FYM	4-22-67
Charleston, S. C.	65	"	1-1/2	1	FYM	1-28-67
<u>Hunt Oil Company</u>						
Tuscaloosa, Ala.	63	Ref.	4	3	HEH	11- 1-67
" "					"	11- 2-67
" "					"	11- 3-67
" "	62	"	2	1	FYM	11-20-67

<u>CUSTOMER LOCATION</u>	<u>TANK NO.</u>	<u>TYPE</u>	<u>CUST. WORK DAYS</u>	<u>NO. LIA TESTS</u>	<u>ETHYL REP.</u>	<u>DATE</u>
<u>Kendall Refining Co.</u>						
Bradford, Pa.	610	Ref.	2	1	HUL	5- 2-68
<u>Mobil Oil Corporation</u>						
Mt. Vernon, N. Y.	2	Term.	2	1	JCW	6-10-68
" " "	1	"	1	1	GFO	6- 1-68
Albany, N. Y.	7	"	1	1	GFO	6- 1-68
Mt. Vernon, N. Y.	14	"	2-1/2	1	GFO	5- 6-68
" " "	8	"	3	1	GFO	4-29-68
Staten Island, N. Y.	62	"	1	1	GFO	11- 8-67
" " "	61	"	1	1	GFO	11- 8-67
Destport, N. Y.	12	"	2	1	GFO	10-21-67
Quincy, Mass.	3	"	4	1	GFO	10-27-67
" " "	9	"	4	1	GFO	10-26-67
" " "	2	"	3	1	GFO	10-25-67
Portland, Me.	43	"	3	2	GFO	8-22-67
Newburgh, N. Y.	27	"	5	1	JCW	9- 9-67
Portland, Me.	37	"	4	1	GFO	7-26-67
Albany, N. Y.	DT	"	2	1	JCW	7-27-67
Whitehall, N. Y.	8	"	2	1	RWK	6- 5-67
" " "	3	"	2	1	RWK	6- 5-67
Portsmouth, N. H.	21	"	2	1	GFO	5- 5-67
E. Providence, R. I.	37	"	4	2	GFO	2-14-67
					"	2-21-67
<u>Pure Oil Company</u>						
Port Everglades, Fla.	1	"	6	1	HEH	7-16-68
Pensacola, Fla.	1	"	3	1	HEH	7-25-68
" " "	7	"	2	1	HEH	5-16-68
Ft. Lauderdale, Fla.	11	"	3	1	WWS	5- 9-68
Port Everglades, Fla.	11	"	5	1	HEH	4-22-68
Savannah, Ga.	8	"	3	3	HEH	3- 8-68
					"	3- 9-68
					"	3-12-68
Belton, S. C.	110	"	1/2	1	FYM	11-17-67
Spartenburg, S. C.	117	"	1	1	FYM	12- 6-67
Belton, S. C.	114	"	1	1	FYM	11-15-67
Savannah, Ga.	8	"	2-1/2	1	FYM	9-20-67
Chattanooga, Tenn.	11	"	2	1	FYM	8-17-67
Port Everglades, Fla.	5	"	3	1	HEH	8-18-67
Savannah, Ga.	15	"	4	1	HEH	7-14-67
Port Everglades, Fla.	2	"	?	2	HEH	5-29-67
					"	5-30-67
Macon, Ga.	107	"	1	1	HEH	5-16-67
" " "	106	"	2	1	HEH	5-10-67
Savannah, Ga.	9	"	2	2	HEH	5- 3-67
					"	5- 8-67
" " "	8	"	3	4	FYM	2-19-67
					HEH	2-27-67
					"	2-28-67
					"	2-28-67

CUSTOMER LOCATION	TANK NO.	TYPE	CUST. WORK DAYS	NO. LIA TESTS	ETHYL REP.	DATE
<u>Shell Oil Company</u>						
Sewaren, N. J.	35	Term.	1	1	WYH	7-26-68
Inwood, N. Y.	14	"	1	1	JCW	6- 5-68
Syracuse, N. Y.	8	"	1	1	GFO	6-18-68
Charlston, S. C.	1	"	2	1	WWS	5- 7-68
Portland, Me.	7	"	2	2	GFO	4- 8-68
					"	4-10-68
Baltimore, Md.	15	"	1-1/2	1	WWS	4-10-68
" "	6	"	2	1	WWS	4-10-68
" "	6	"	3	3	WWS	2-13-68
Wilmington, N. C.	7	"	4	3	WWS	1-23-68
					"	1-24-68
					"	1-25-68
Baltimore, Md.	5	"	3	1	WWS	1-22-68
" "	9	"	2	1	WWS	12-26-67
Wilmington, N. C.	5	"	1	1	FYM	12- 8-67
" "	8	"	4	1	FYM	12-18-67
Baltimore, Md.	20	"	1	1	WWS	11-28-67
" "	8	"	1	1	WWS	11-28-67
Springfield, Va.	5	"	1	1	WWS	11-17-67
Portland, Me.	7	"	3	1	GFO	10-25-67
Utica, N. Y.	14	"	?	1	GFO	10- 4-67
" "	2	"	1	1	RWK	8-31-67
Baltimore, Md.	4	"	9	1	WWS	9-14-67
Utica, N. Y.	3	"	1	1	RWK	8-31-67
Baltimore, Md.	13	"	5	2	WWS	7-26-67
					"	7-28-67
Curtis Bay, Md.	5	"	3	1	KD	7-12-67
Searsport, Me.	3	"	2-1/2	1	JCW	7-11-67
Inwood, N. Y.	47	"	3	1	ADS	6- 8-67
Searsport, Me.	1	"	8	1	GFO	5- 8-67
Doraville, Ga.	DR-3	"	1	1	HEH	3-15-67
Sewaren, N. J.	5	"	?	-	GFO	1- 9-67
<u>Triangle Refineries</u>						
Port Birmingham, Ala.	6	"	?	5	HEH	5-24-68
					"	5-24-68
					"	5-25-68
					"	5-25-68
					"	5-26-68
Atlanta, Ga.	2	"	2	1	HEH	4- 1-67
Doraville, Ga.	3	"	1	1	HEH	3-20-67
" "	1	"	4	1	HEH	3-13-67

<u>CUSTOMER LOCATION</u>	<u>TANK NO.</u>	<u>TYPE</u>	<u>CUST. WORK DAYS</u>	<u>NO. LIA TESTS</u>	<u>ETHYL REP.</u>	<u>DATE</u>
<u>Miscellaneous Companies</u>						
Gordon Lubricating Co.						
McKees Rocks, Pa.	6	Sales	2	1	HUL	4-11-68
" " "	4	"	3	1	HUL	4-22-68
" " "	1	"	1	1	HUL	4-11-68
Kay Petroleum Co.						
E. Hartford, Conn.	3	Term.	1	2	JCW	12-18-67
" " "	2	"	1	2	"	12-26-67
" " "					JCW	12-18-67
" " "					"	12-26-67
Buckeye Pipeline Co.						
Macungie, Pa.	206	"	5	1	KD	9- 6-67
"	?	"	7	3	RBH	7- 5-67
"					"	7- 6-67
"					"	7- 7-67
Colonial Oil Co.						
Savannah, Ga.	8	"	3	1	FYM	5-29-67
Woodruff Coal & Oil Co.						
Bridgeton, N. J.	101	"	4	3	KD	10- 2-67
"					"	10- 3-67
"					"	10- 5-67
Union Oil Co.						
Boston, Mass.	23	"	2-1/2	1	GFO	9-18-67
Petroleum Heat & Power Co.						
Philadelphia, Pa.	2	"	1	1	KD	8-22-67
Tenneco						
Newark, N. J.	2	"	3	1	KD	8- 1-67
Pittsburgh DesMoines Steel Co.						
Warren, Pa.	Special Tests			2	RWK	6-20-67

SUMMARY

<u>COMPANY</u>	<u>TOTAL TANKS</u>	<u>TOTAL LOCATIONS</u>	<u>TOTAL WORK DAYS</u>	<u>TOTAL LIA TESTS</u>
Ashland Oil & Ref. Co.	3	1	8	3
Atlantic Pipeline	1	1	1	1
Atlantic Richfield	10	6	23-1/2	13
Chevron Oil Co.	5	2	22	6
Cities Service Oil Co.	3	3	6-1/2	3
Getty Oil Co.	7	1	21	7
Gulf Oil Corp.	18	16	37+	20
Humble Oil & Ref. Co.	20	9	25	22
Hunt Oil Co.	1	1	4	1
Kendall Refg. Co.	1	1	1	1
Mobil Oil Corp.	19	10	48-1/2	21
Pure Oil Co.	18	8	44+	25
Shell Oil Co.	28	12	67+	32
Triangle Refineries	4	3	7+	8
Miscellaneous - 9	<u>13</u>	<u>9</u>	<u>33+</u>	<u>19</u>
GRAND TOTAL 23 Companies	151	83	349	182

MID-CONTINENT REGION

TANK CLEANINGS

1967 through July 1968

<u>Customer</u>	<u>Number of Tank Cleanings</u>		<u>Working Days by Customer</u>		<u>Att'd by Ethyl Repre.</u>	<u>Name of Ethyl Repre.</u>
	<u>Total</u>	<u>By Location</u>	<u>Total</u>	<u>By Location</u>		
Apco	3	Arkansas City	2-1/2	Arkansas City	Yes	Purcell-Birkes
			4-1/2	" "	No	Kaley
			4	" "	No	"
	1	Cyril	2	Cyril	Yes	Lee
Champlin	1	Okla.City	1	Okla.City	Yes	Lee
	1	Enid	4	Enid	"	"
Cities Service	2	Lake Charles	3	Lake Charles	Yes	Lang
			3	" "	"	"
Continental Oil Co.	1	El Paso	2	El Paso	Yes	Landis
	1	Okla.City	2-1/2	Okla.City	Yes	Hargis
Cosden Oil & Chem.	2	Big Spring	2	Big Spring	Yes	Landis
			2	" "	"	"
Diamond Shamrock	1	Dumas	5	Dumas	Yes	Kaley
Gratex	1	Bryson	1	Bryson	Yes	Emery
Howell	2	San Antonio	2	San Antonio	Yes	Landis
			4	" "	"	"
Humble	1	Irving	2	Irving	Yes	Emery
Kerr-McGee	1	Cleveland	1	Cleveland	Yes	Lee
	2	Cushing	10	Cushing	Yes	Lee
			2-1/2	"	Yes	Hargis
Mobil	2	Augusta	2	Augusta	Yes	Birkes
			2	"	No	Kaley
Okla.Miss.River Prod.Line	1	W.Memphis	1	W.Memphis	Yes	Lang
Southland	1	Crupp	1	Crupp	Yes	Hargis
Sunray DX	2	W.Tulsa	5-1/2	W.Tulsa	No	Lee
			6	"	No	"

SOUTHWEST REGION

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO Mr. K. C. Jost
FROM J. M. Rollins
SUBJECT Safety Activities

ADDRESS

ADDRESS

DATE

PCD DETROIT	
REFER TO	REFER TO
RJO	KCJ
HBG	NLP
EAD	
WWS	DMG
JDB	
TEL	WEA
Detroit	JK
GWH	CCS
Houston	
RETURN TO CALL	

SEP 3 1968

August 30, 1968

As requested by your letter of August 6, 1968, we report tank cleanings in this region for the period January 1, 1967 through July 31, 1968.

<u>Customer Location</u>	<u>No. of Tank Cleanings</u>	<u>Customer Working Days</u>	<u>Attended by E. Rep</u>	<u>Name of E. Rep</u>
Cities Service Lake Charles, La.	15	36	15	DeLaune Gillen Lang Bell
Coastal States Corpus Christi, Tex.	12	28	12	Smith Barrow
Continental Oil Westlake, La	8	24	8	Bell, Lang
Houston, Texas	1	1	1	DeLaune, Lang
General American Pasadena, Texas	1	3	1	Barrow
Hess O & C Galena Park, Texas	2	6	2	Waggoner
Humble Baton Rouge, La	51	275	51	DeLaune, Morton Barrow
La Gloria O & G Houston, Texas	2	3	2	Delambre
Mobil Beaumont	3	13	3	Harkins, Gillen
Pt. Harlingen	1	2	1	Smith
Murphy Meraux, La	1	1	1	Morton
Phillips Petroleum Sweeny, Texas	10	25	10	(Waggoner, Lang
Freeport, Texas	1	6	1	(Sievert, Barrow Lang, Barrow

Mr. K. C. Jost Detroit

<u>Customer Location</u>	<u>No of Tank Cleanings</u>	<u>Customer Working Days</u>	<u>Attended by E. Rep</u>	<u>Name of E. Rep</u>
Pontiac Corpus Christi, Tex.	2	7	2	Lang, Smith
Sinclair Houston, Texas	2	9	2	Delambre, Barrow
Southwestern Corpus Christi, Tex.	3	10	3	Smith
Suntide Corpus Christi, Texas	4	20	4	Smith
Tenneco Chalmette, La.	2	8	2	Morton, Pugh
Texas Asphalt Pasadena, Texas	1	4	1	Waggoner
Texas City Refining Texas City, Texas	1	3	1	Lang
Texas Eastern Trans. Baytown, Texas	1	3	1	Bell
Triangle Refineries Mobile, Ala.	2	6	2	Morton

WESTERN REGION

Mr. K. C. Jost

- 2 -

8/20/68

<u>Customer Location</u>	<u>(Number of Tank)</u>	<u>Cleanings By Location</u>	<u>(Working Days)</u>	<u>by Customer</u>	<u>Att'd by Ethyl Rep.</u>	<u>Name of Ethyl Rep.</u>
<u>1 9 6 7</u>						
American SLC	1	Salt Lake			LIA only	A.T. Rowe
Atlantic Richf.	1	Wilmington, Cal.			" "	D. Forsdick
Conoco	2	Spokane Billings				W.Y. Hancock H. M. Smith
Edgington	1	Wilmington, Cal.	2	Same	LIA only	W. S. Alexander
Farmers Union	1	Laurel, Mont.	2	Same	Yes	H. M. Smith
Frontier	1	Farmington, N.M.	2	Same	Yes	A. T. Rowe
Gulf Oil	1	Santa Fe Springs, Cal.	3	Same	LIA only	D. Forsdick
Humble	2	Billings, Mont.	3	Same	Yes	R. A. Dunaway
		Spokane, Wash.	2	Same	Yes	W. Y. Hancock
Powerine	1	Santa Fe Sprgs., Cal.	3	Same	LIA only	W. S. Alexander
Shamrock	1	Denver, Colo.				R. A. Dunaway
Shell Oil	1	Oakland, Cal.			LIA only	C. P. Michel
S.P. Pipeline	2	Colton, Cal.	2	Same	LIA only	W. S. Alexander
		Wilmington, Cal.	3	Same	LIA only	E. P. Watson
Signal O & G	1	Bakersfield, Cal.	2	Same	Yes	D. Forsdick
<u>1 9 6 8</u>						
Air Force	1	Travis AFB			LIA only	F. L. Smith
Atlantic Richf.	2	Long Beach, Cal.	3	Same	LIA only	D. Forsdick
		San Diego, Cal.	1	Same	LIA only	D. B. Connell
Ashland Oil	1	Long Beach, Cal.	3	Same	LIA only	D. Forsdick
Conoco	1	Spokane, Wash.	3	Same	Yes	W. Y. Hancock
Farmers Union	1	Laurel, Mont.			LIA only	R. A. Dunaway
Gulf	1	Santa Fe Sprgs., Cal.	2	Same	LIA only	W. S. Alexander
Humble	2	Billings, Mont.	3	Same	Yes	R. A. Dunaway
		Billings, Mont.	3	Same	Yes	R. A. Dunaway
Powerine	2	Oakland, Cal.	2	Same	LIA only	F. L. Smith
		San Diego, Cal.	2	Same	LIA only	W. S. Alexander
S.P. Pipeline	2	Avon, Cal.	3	Same	LIA only	F. L. Smith
		Colton, Cal.	3	Same	LIA only	D. Forsdick

KL 0002600

N 6342.05

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO Mr. K. C. Jost
FROM J. C. Watt
SUBJECT Safety Activities

ADDRESS Detroit
ADDRESS New York
DATE August 19, 1968

PCD DETROIT	
REFER TO	REFER TO
RJO	KCJ
HBG	NLP
EAD	CEG
VWS	DMG
JDB	WEA
ETL	JK
EJF	CS
GW	

AUG 20 1968

I have your letter of August 6, 1968 requesting a report on the overall safety activities in the Eastern Region during a period from January 1, 1967 to July 1, 1968.

During the above eighteen month period the tank cleaning activities are summarized as follows:

Companies involved	23
Tanks cleaned	151
Locations	83
Working days by customer or contractor	349
LIA tests by Ethyl	182

(A tabulation is attached.)

Five of the above companies (Gulf, Humble, Mobil, Pure and Shell) accounted for 68% of the activities which seems to indicate that "A & N" system is adequate and working. The system seems to be working for the smaller companies too as the remaining 18 companies called on us for 48 (32%) tanks.

If we become aware of any practices by tank cleaning personnel that may lead to lead exposure, we make every effort to call it to the attention of the customer company as well as to the contractor.

A summary of mixing plant inspections and related activities, on a percentage basis, during the same eighteen month period is as follows:

12 Months - 1967

	<u>Total Locations</u>	<u>Total Completed</u>	<u>%</u>
Management Meeting	32	19	60
Blenders Meetings	21	19	90
Unloadings Observed	21	4	19
Mixes (None Required)	21	5	24
Plant Inspections	32	31	97

Mr. K. C. Jost

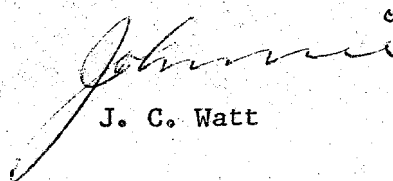
August 19, 1968

6 Months - 1968

	<u>Total Locations</u>	<u>Total Completed</u>	<u>%</u>
Management Meetings	32	22	69
Blenders Meetings	21	19	91
Unloadings Observed	21	7	33
Mixes (None Required)	21	2	10
Plant Inspections	32	22	69

(A tabulations is attached.)

The records for meetings and unloadings are somewhat better for the first six months of 1968 than for the entire year of 1967. We should have a good record by the end of the year.


J. C. Watt

JCW:vb
Attachments

CC: Mr. R. D. Bushell (Att.)
Mr. R. P. Husta "
Mr. L. E. Flaa "

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO Mr. K. C. Jost

ADDRESS

FROM H. N. Godbey

ADDRESS

SUBJECT SAFETY ACTIVITIES -
MID-CONTINENT REGION

DATE

PCD DETROIT	
REFER TO	REFER TO
RJO	KCJ
HBG	NLP
EAD	
WWS	DMG
JDB	
	WEA
	JK
	CCS
	CAI

SEP 3 1968

August 30, 1968

The attached list shows tank cleanings observed in the Mid-Continent Region from January 1967 through July 1968. They are listed as requested in your letter of August 6, 1968.

Additional safety activities are listed and show total requirements plus percent completed through August 30, 1968.

<u>Activity</u>	<u>Required</u>	<u>% Complete</u>
Mixing Installation Inspections	112	50
Safety Meetings	70	44
Unloadings Observed	52	39
A & N Contacts	84	36

Total regional safety activities show a requirement of 318 with 137 completed for 43%. This percent completed could be higher if all activities which are completed would be reported. I personally know of several inspections and safety meetings which have not been reported. Also, the low percent of A & N contacts will certainly be improved as year-end contacts are made. The overall percentage completed shows that Ethyl field personnel are covering more assignments than ever, and do not have the time to make all requirements when due. This area is something which I feel needs improving, and can only be done by more personnel at the field level.

An area which may be considered a potential lead exposure is idle weighttanks outside refinery control. These are increasing in number as refineries close and are becoming more difficult to locate and inspect.

The subject of blending plant inspections on competitive plants may well be reviewed as to our responsibilities, if any. Not with the idea of adding more inspections, but rather how can we cut down on the overall work load. I think we should be honest with ourselves and not list any more requirements than we can actually handle.

We had a close call on a lead exposure incident with Adobe Refining at Abilene, Texas. This involved an old refinery which is shut down and is being operated as a pipeline terminal. The retirement of the terminal manager may have removed an "old hand" who knew the status

of the tank in question. Perhaps our A & N contacts on places of this sort are not deep enough to know that all hazardous tanks have adequate warning signs. I know from personal experience that this terminal was thought to be adequately covered. I delivered tank warning signs myself to this terminal when I covered that territory.

The point I am trying to make is have we become so few and far between that our overall efficiency has declined. By doing this, the chances of lead exposure have increased from blending plants to tank cleanings. In some areas we are still being swept along on the momentum built up by Ethyl personnel before us. Safety activities are certainly being affected by the slow-down of this momentum. We have always taken great pride in our safety record as well as sales accomplishments. Now, in the name of more sales we are sacrificing our safety record. Can Ethyl Corporation afford this? I say NO.



H. N. Godbey

HNG/ch

Attach.

Mr. K. C. Jost Detroit

Concerning mixing plant inspections, unloadings and safety meetings, I have totaled 183 such requirements to be reported for 1968. This is based one one visit for inspection of all mixing plants at any one location, including inactive plants, but not including any supplied 100% by competition; one unloading at each refinery where we supply antiknock; and safety meetings for management and personnel at each such refinery. The 183 figure does not include the other 3 quarterly inspections of mixing plants. To date, we have done 84, or 46% of required.

Authority and Notification Contact Reports are not in as good condition. We have a total of 66 required - only 24 reported this year - 36%. On this work, as well as mixing plant work, I am confident our men do much more than they get around to reporting. There have been too many repair jobs done for them not to have made some pretty good inspections of plants but the reports have not come in.

There are a number of situations that could provide lead exposure in this region:

1. The most important is the ignorance on the part of many people of the provisions in API Bulletin 2016, Cleaning Tanks Used For Gasoline, some not even knowing the bulletin exists. I feel we should emphasize the need for review of this by our own men, but more so by all customer people even remotely concerned with gasoline and low flash product tank entries.

A corollary to this should be the urging of all operators of tankage to recheck all their tank connections to be certain that leaded gasoline either can or cannot get into tanks.

2. We have all over the country auxiliary circulating tanks of various sizes that do get high lead concentrations from tank car washing. Every one of these need high level alarms that will be noticed and obeyed. We need a definite recommended procedure for the operation of such tanks, and for the cleaning or dismantling of these and the connecting contaminated piping.

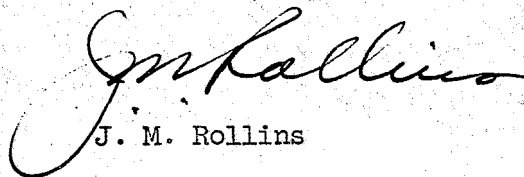
3. Leaky Weigh Tanks. I believe we should go to every refinery that has tanks 25 years or more old and urge them to consider early replacement before they leak. The patching of leaks is always possible, but I believe we should try to prevent customer employee exposure to such.

4. Careless Repair Procedures. A few of the old-timers around refineries have gotten careless about requiring safety equipment when mixing plant repairs are made. We need to work with these individually to overcome this attitude.

Mr. K. C. Jost Detroit

5. Out of Control Mixing Plants. These could be burned, vandalized or completely hauled off by someone, if they thought of a use for them. Some are fairly well protected by fences, buildings and caretakers, but others apparently have no protection, i.e. the old 1000 at Blessing, Texas - also if not yet dismantled, the PDM at Black Hills Refinery, Newcastle, Wyoming. In this category, we have 7 plants in this region;

Texas Compressor (formerly Distillate) Hudson, Texas	4250
Texas Iron & Metals (formerly American Petrofina,) Blessing	1000
Bee County (formerly Danaho), Pettus, Texas	4250
Bee County (formerly Danaho), Pettus, Texas	DM
Houston Natural, Tuleta, Texas	4250
Service Boiler, Corpus Christi, Texas	4250
Trinity Gas, Benavides, Texas	4250


J. M. Rollins

JMR:et

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO Mr. K. C. Jost
FROM W. S. Alexander
SUBJECT Safety Activities

ADDRESS

ADDRESS

DATE

PCD DETROIT	
REFER TO	REFER TO
RJO	KCJ
HBG	NLP
EAD	CEG
WWS	DMG
JDB	WEA
TEL	JK
EJF	CCS
GWN	Los Angeles
	August 20, 1968
	RETURN TO CAM

Dear Ken:

Referring to your letter of August 6th, 1968, requesting the status of our activities, the following covers the Western Region achievements for 1968 to-date:

<u>Type Safety Activity</u>	<u>Number Completed</u>	<u>Total Required</u>	<u>Percent Of Total</u>
Mixing Plant & Lab Inspections	16	74	21.5
Unloadings	6	58	10.3
Mixing Observations	7	58	12.1
A & N	4	100	4
Safety Meetings	5	As required	-
Drum Shipments	1	As required	-
Lead discrepancies	1	As required	-

In regard to tank cleaning reports and resulting data, the following outlines our work in this area:

KE 0002607

8/20/68

Practices and Plans that may lead to Lead Exposure -

We are under the gun from the standpoint of cleaning weigh tanks. Standard Oil Company of California, Richmond, California, is asking to be allowed to clean their weigh tanks by acid washing and water rinse using the Butterworth system. We have been successful in advising that weigh tank cleaning is hazardous from an exposure and fire standpoint, but they are asking us to look into, and report to them our findings on the "Butterworth" system.

Tank cleaning contractors in our area are getting a little lax in maintaining good safety practices in cleaning leaded gasoline storage tanks and we are planning personal contacts with these contractors to cement the fact that the hazard of lead exposure is now more than ever a serious condition.

I do hope this will give you the required information for your report.

Very truly yours,

W. S. Alexander

W. S. Alexander

ⓑ

WSA:fb

KE 0002608