PLAINTIFF'S EXHIBIT
MON-2041

MCC 210930

Monsanto

FROM (NAME & LOCATION) D. D. Kos - O-11

DATE January 11, 1983

CC Bob Hammann - LP&S File
1983 SHAC

SUBJECT 1982 Annual Safety and Housekeeping Inspection Critique

REFERENCE

TO 1982 Inspection Committee
1982 SHAC

A critique of the 1982 Annual Safety and Housekeeping Inspection was held on October 10, 1982. This memo summarizes the key elements brought out in the meeting.

This was the first Texas City inspection held with in-house inspectors. In summary, Gene Tromblee indicated he was pleased with this year's inspection. Prior to the inspection he was concerned about whether the people would take the inspection seriously, and whether or not the in-house committee could give a fair and unbiased assessment. Gene stated that these concerns never materialized and in all areas the inspection came off well.

The comments related to specifics of the schedule have been recorded on the left margin of the original schedule.

Comments of a general nature are covered below:

1. In future "in-house" inspections the thorough nature of this approach (due to the familiarity of the inspectors with the plant) should be publicized.
2. Add the field shops as a part of the units.
3. Guides must make sure that all areas are covered.
4. Coffee breaks should be designed to provide the opportunity for discussion.
5. The general superintendents should go along with inspectors to help close the loop on follow-through regarding pheripheral area comments.
6. All areas (units) need to have presentations when the inspectors first arrive.
7. Special emphasis should be placed on tank labeling.
8. Guides should coordinate comments related to areas outside their immediate responsibility.
9. Break down schedule to include start and finish time in each area, providing time for travel.
10. Consider a four day in-house inspection (instead of three days). This would allow inspections to end by 2:30 p.m., with the remaining time used for organizing comments.
11. Schedule should be rearranged--in the interest of fairness.

It must be pointed out that most of these comments apply to in-house inspections, while a few should be considered when inspected by ex-Texas City committees.

D. D. Kos

SC 001822

1982
INSPECTION TOUR SCHEDULE

FIRST DAY:
MONDAY, OCTOBER 18

Inspectors meet in Cafeteria Conference Room — 8:30 a.m.
Coffee and Rolls

• *Begin earlier if needed*

BEGIN INSPECTION — 9:00 a.m.

Drive cars to Methanol C.H.

DEPTS. 44-45-56 METHANOL (CT-3 & 4)

Methanol, CO, and H_2 are produced by steam reforming of natural gas and CO_2. CO and H_2 are used in the production of oxy-alcohol and acetic acid.

Hosts: F. B. Edwards
Ruby Williams
David Evans
Antonio Martins
Herb Guisti
Horace Congor

Meet in Control House, C. O. desk.

• *Add 10 minutes (30 to 40)*

DEPT. 50 ACETIC ACID (CT-5) — 9:30 a.m.

Acetic acid is produced from carbonylation of methanol. This area includes catalyst preparation and product distillation facilities.

Walk to Acetic

Hosts: F. L. Weis
Larry Baker
Bobby Moore
Walter Wilson
Noel Rickard
John Townsend

Meet in Control Room.

COFFEE BREAK (ACETIC ACID) — 10:00 a.m.

Rosalie Terry

DEPT. 51 ACRYLONITRILE (CT-9) 10:15 a.m.

Two reactor trains and a single purification train are used to produce acrylonitrile and hydrogen cyanide as a by-product. Ammonia and propylene are used as raw materials.

Hosts: Mark Devore
Bill Howe
Hap Ferguson
Felix DeZengotita
Danny Gracia
Manuel Perez

Meet East of Dept. 50
Control House
West of WOBS

- *Cut 10 minutes (75 to 65)*
- *Meet at the control house*

Walk from AN Control House - North 1 block to cars. Drive to Cafeteria.

CAFETERIA CONFERENCE ROOM (Tray Lunch) & BREAK 11:30 a.m.

ZONE I OFFICE 12:35 p.m.

Offices and conference room used by maintenance personnel for styrene process.

Drive to Z1.

Hosts: Rodie Santarelli
Gene Inman
Jim Paschal

DEPT. 15 DEHYDROGENATION 12:45 p.m.

Synthesis area for dehydrogenation of ethylbenzene to crude styrene.

Drive to EB/SM Control House. Park in front.

Hosts: George Bryan
Earl Moore
Beverly Dodson
Larry Young
Jim Froebel
J. C. Brown

Meet at C. O. Desk.

- *Add 5 minutes (20 to 25)*

DEPTS. 14-16 STYRENE - EB DISTILLATION 1:05 p.m.

Dept. 14 - Ethylbenzene purification facilities
Dept. 16 - Styrene purification facilities

Hosts:	EB -	L. Wheaton	Meet at C.O. Desk.
		T. Myers	
		M. Holder	
	SM	Jim Gore	
		John Couch	Meet at C.O. Desk.
		Beverly Dodson	

- *Explain different departments*

DEPT. 13 ALKYLATION (CT-1) 1:35 p.m.

Ethylbenzene is produced by the reaction of benzene with ethylene in the presence of an aluminum chloride-organic catalyst complex.

Hosts:	L. Wheaton	Meet at C.O. Desk.
	T. Myers	
	C. Degg	
	D. Robertson	
	M. Holder	
	E. Armstrong	

- *Add drive through of south storage tank farm*

CONTROL LABORATORY (Including environmental) 1:55 p.m.

Laboratory facilities needed to conduct required analyses for production and shipment of petrochemicals from Texas City plant.

Drive to Applications Bldg. Park next to seawall.

Hosts	Bernie Jacob
	Henry Anderson
	Calvin McNeal

- *Add 10 minutes (20 to 30)*

COFFEE BREAK (Material Handling Office) 2:15 p.m.

Grace Warren

- *Add presentation*
- *Cut 5 minutes (20 to 15)*

MATERIAL HANDLING OFFICE BUILDING 2:35 p.m.

Offices for supervision of distribution, operation, materials handling foreman and clerk; mail room, printing & office services. *Walk*

Hosts: Grace Warren
Victor Osburn
George King
Bobbie Haley
Else Jackson
Donna Dickson

- *Add super shack tour*
- *Add 5 minutes*
- *Add AN incinerator)*
- *Add PT warehouse) 10*
- *Add SM loading Rack)Minutes*
- *Add AcY loading rack)*

BARGE & SHIP DOCKS (1, 2, 3, 4, 5) 2:45 p.m.

Barge and ship loading/unloading facilities for raw materials, products, used at and produced by Texas City plant.

Hosts: Tom Hartnett
Dante Paganucci
Conrad Berg
Lee Derrick
John Walker
Jerry Hudspeth

**Walk to Dock 1, then 2. Cars will be moved to Dock 2 by SHAC.*

- *Add sandblast lot (5 minutes)*
- *Add maintenance laydown area (5 minutes)*
- *Add salvage area (10 minutes)*

PRIMARY TREATMENT, AMMONIA TANK, NORTH 68, Salvage 3:25 p.m.

Facilities for primary treatment of all plant aqueous waste streams. Ammonia storage tank provides raw material for AN manufacturing facilities at Texas City and Chocolate Bayou. *Drive to Control Room.*

Hosts: G. E. Sprock
Dan Moore
Bill Wooley
Marilyn Muir
J. D. Hutchison
Rusty Guss

Meet at 513 Control Room.

ELECTRIC SHOP 3:50 p.m.

Consists of central shop facilities and offices for power distribution, electrical maintenance and maintenance engineering personnel. *Drive to Administration Bldg.*

Hosts: A. R. Mathison
Howard Channels
Bob Thorn *Walk.*

STORES 4:00 p.m.

Stores includes the shipping and receiving docks, storage bins of inventory items, and offices. *Walk.*

Hosts: Tom Crump
Phil Tax
Helen Guinn

END OF FIRST DAY OF INSPECTION

SECOND DAY:
TUESDAY, OCTOBER 19

PERSONNEL BUILDING — 8:00 a.m.

Building contains personnel office, training facilities, a video tape lab, and plant receptionist. *Walk.*

Hosts: Margie Vogtman
Hermine Smith
Sue Wilcox

Meet in Personnel Bldg. Training Room.

• *Cut 10 minutes (20 to 10)*

LOCKER BUILDING NO. 1
& SAFETY SUPPLY — 8:20 a.m.

Building houses separate lockers, showers, and changing rooms as well as the safety supply store.

Hosts: Ken Milner
Ed Gay
Richard Werner

• *Cut 5 minutes (20 to 15)*

RECEPTION OFFICE & GUARD HOUSE — 8:40 a.m.

Major plant entry gate with offices for locksmith, supervisors and security group.

Hosts: Fred Herzog
Night Supervisor on duty
Security Sgt. on duty

• *Cut 10 minutes (20 to 10)*

FIRE STATION 9:00 a.m.

Two buildings which house the Texas City plant's fire fighting facilities.

Hosts: Jim White
Leonard Hamilton

- *Cut 15 minutes (30 to 15)*

COFFEE BREAK (Cafeteria Conference Room) 9:30 a.m.

Laverne Chandler

- *Cut 10 minutes (30 to 20)*
- *Consider moving electrical shop and stores inspections to this point.*

DISPENSARY 10:00 a.m.

Provides facilities for emergency first aid and for monitoring employee health.

Hosts: Dora Sendejas
Patty Burke

CAFETERIA 10:10 a.m.

Main plant cafeteria.

Hosts: Laverne Chandler
Clarice Merryman

Meet at Cash Registers.

- *Add 5 minutes (10 to 15)*

MAIN OFFICE (2nd and 3rd floors) 10:20 a.m.

Main office building for manufacturing, distribution, environmental, safety, and marketing personnel.

Hosts:	2nd Floor	Patricia Selman Sylvia Pierce Ernestine Chuoke	Purchasing
	3rd Floor	Fay Hogg Peggy Wansbrough Irma Ramos Richard Curtis	Front Stair Case Entry

- *Cut 10 minutes (25 to 15)*
- *Use guides from the floor inspected*

RESEARCH NO. 1 10:45 a.m.

This building houses analytical labs and bench scale reactor systems.

Hosts:	Andy Liao Pride Johnson Clyde Collier	Meet 1st Floor West Side

- *Add 10 minutes (30 to 40)*

CAFETERIA - Tray Lunch 11:15 a.m.

OFFICE ANNEX (1st floor) 12:00 p.m.

First floor of this building contains offices, technical library, and computer room.

Hosts: Maxie Dillon
Rick Whitehead
Lee Owens
Sylvia Pierce

Meet at Main Lobby.

- *Split group*

(one for 1st floor)
(one for 2nd floor)

OFFICE ANNEX (2nd floor) 12:30 p.m.

This floor contains office facilities for Accounting, Mechanical & Materials Technology, MIS Department with computer facilities.

Hosts: Don Treleaven
Bill Reid
Lydia Ishmael
Beckie Ramos
Ola Ward

Meet at Front Entrance 1st Floor.

- *Total time for 1st and 2nd floors = 25 minutes (60 to 25)*

RESEARCH NO. 2/RPU 1:00 p.m.

The AN and styrene bench scale reactor systems are operated in this building. The analytical instrument development department is located upstairs.

Hosts: Jay Cross
John Garton
Joe Stal
Greg Escamilla

Meet at Visitor's Lobby - West North Corner - 1st Floor.

- *Combine Research #2 and #3*
- *Allow total of 1 hour and 15 minutes (105 minutes to 75 minutes)*

RESEARCH NO. 3/ Shops/MMTS Labs 1:30 p.m.

This building houses the offices for the Separations Probes personnel with crafts and maintenance offices and shops located on the first floor.

Hosts: John Thorman
Alex Sorensen
H. J. Baumgartner
Don Treleaven

Meet at North Entrance Below Stairway Outside.

IDA 2:45 p.m.

Hosts: James Burkhalter
Gerald Berry
Hank Vanderford
Joe Storey
Jim Horan
Tom Smotherman

Drive cars to Control House.

- *Add 10 minutes*
- *Add warehouse, HCl storage, formalin to inspection*
- *Add PA storage and racks (10 minutes)*

IDA AND ENVIRONMENTAL CONTROL LABS 3:30 p.m.
(Old Dept. 42 Bldg.)

Hosts: Richard Bledsoe
Doug Hiser
Ken Bright

Drive to Dept. 42 Bldg.

- *Eliminate for 1983*

SOUTH 22 (in Cars) 3:50 p.m.

Return to Adm. Bldg.

END OF SECOND DAY INSPECTION

THIRD DAY:
WEDNESDAY, OCTOBER 20

SHOPS BUILDING 8:10 a.m.

Central Shops consists of facilities for pipe fabrication and plate and exchanger, machine, and paint shops. Building also includes training rooms and various maintenance offices.

Hosts: Howard Jackson
Bill Recknor
Vernon Mapes
Ted Minor
Geo. Clark
C. L. Puckett

Meet at Shift Office.

- *Cut 15 minutes (60 to 45)*

COFFEE BREAK (Shops Building, 2nd Floor) 9:10 a.m.

Sylvia Rodriquez
Ellie Cyr
Grace Mendez

- *Break too early*

SOUTH MAINTENANCE BUILDINGS, INSTRUMENT SHOP & GARAGE 9:25 a.m.

Buildings include carpenter-insulator shop, instrument department shop, field maintenance offices, and garage facilities.

Hosts:	Maintenance	Instrument
	Jack Goodson	Roger Mears
	Geo. White	K. W. Willis
	Curtis McGowen	Jack Kiser
	Louis Dolzel	Paul Saunders
	Dayal Beach	Mel Wagner
	Sherman Jones	Bob Gerky

- *Add 5 minutes (40 to 45)*
- *Pay more attention to defined guide routes*

WATER TREATING - PLANT AIR 10:05 a.m.

Treatment of raw Brazos River water for plant use and generation facilities for breathing, instrument, and general plant air. *Walk to Water Treating.*

Hosts: Geo. Orum
Donis Shotwell
Harry Mercantel
Dan Davison
George Hanks
Shorty Albritton

Meet at Northwest Corner of Water Treating.

- *Combine water treatment, air, and Power 2*
- *Allow a total of 40 minutes (25 to 40)*

POWER 2 (Demineralizer) 10:20 a.m.

Facilities for steam generation and boiler feed water treatment. *Walk.*

Hosts: George Orum
Donis Shotwell
Harry Mercantel
Dan Davison
George Hanks
Shorty Albritton

DEPTS. 19-25-27-29 (HCN-TBA-LN-ACY-CT-2) 10:30 a.m.

Manufactuting facilities for tertiary butylamine, lactonitrile, and acetone cyanohydrin. *Walk.*

Hosts: Dale Harstad
Jasper Jennings
Len Hand
Mike Sweeny
Jack Danner
Carl Richardson

Meet in Control House

- *Add 10 minutes (45 to 55)*
- *Add Department 23 inspection*

**Cars ready at Control House. Drive to Cafeteria.*

CAFETERIA CONFERENCE ROOM (Tray Lunch) 11:15 a.m.

AN LOADING RACK 11:45 a.m.

Rail car handling facilities for acetic acid, methanol, TBA, sulfuric acid, IBY, and ACH.

Drive to AN Loading Rack.

Hosts: Charlie Loney
Sidney Poston
Rusty Wilson

- *Add esters rack and north storage*
- *Add 5 minutes (20 to 25)*

WAREHOUSE A-B-C

Three warehouses containing spare parts, valves, hoses, electrical cable, flammable liquids, paints, insulation supplies, sample bottles, etc. 12:05 p.m.

Drive to Warehouses.

Hosts: Tom Crump
Terry Grubbs
Phil Tax

...nder heading, describe contents of each warehouse - A, B, and C

ZONE 2 OFFICE 12:20 p.m.

Offices for west plant maintenance personnel.

Drive to Z2.

Hosts: Sue Lessa
Barbara Anderson
Eva Blanchard

- *Add warehouses F and G*
- *Add 5 minutes (15 to 20)*

CED OFFICES & SHOPS 12:35 p.m.

Offices, warehouses, and shops for Central Engineering Department. *Walk.*

Hosts: Howard Bahr
J. D. Stone
Murray Hansen

Meet at South End of CED Office Complex.

CAPITAL PROJECTS AREA 12:55 p.m.

Area includes offices, a shop and fabrication area, and tool room.

Hosts: C. M. Wills
A. G. Arnold
C. E. Supak
F. Herzog

Meet at Open Pipe Fab Shop.

DEPT. 33 LACTIC ACID (Drumming facilities & CT-8) 1:15 p.m.

Manufacturing facilities for pharmaceutical grade lactic acid from lactonitrile. *Drive to Control House.*

Hosts: Doyle Copeland
A. R. Silvertooth
Roger Rowlette
Pervis Cotton
Albert Rains
George Williamson

• *Add 10 minutes*

DEPT. 48-56 OXO-ALCOHOL - PHTHALATE ESTERS 1:35 p.m.

Oxo-alcohol area uses CO + H_2 blend gas and olefins as raw materials. Phthalic anhydride and oxo-alcohol area used to manufacture phthalate ester. *Drive to C.R.*

Hosts: Rich Coleman
Jose Gaviria
Vernon Fields
Walter Price
Norb Novak
J. T. Shipley

Meet at Chief's Office.

- *Add 5 minutes (35 to 40)*
- *Add oxo fractionation*

DEPT. 53 PHTHALIC ANHYDRIDE 2:10 p.m.

Manufacturing process which uses BASF technology to convert air and orthoxylene to phthalic anhydride. *Drive to C.R.*

Hosts: Cody Ford
Charlie Magee
Alvin Soderberg
Bill Crowder
Stephen Moncla
Ron DeVries

Meet in Control Room.

- *Add 10 minutes (20 to 30)*

COFFEE BREAK (Phthalic Anhydride Control Room) 2:30 p.m.

George Hart

END OF INSPECTION