A

To: FGJ

From: HGC

Date:

Thanks!

Interoffice Communication

Subject:

It was very well received!

VISTA

1988

SARA EMISSIONS

EMPLOYEE PRESENTATION

EMPLOYEE MEETING OUTLINE

I. SARA - What is it?

II. SARA Team
   A. Members
   B. Activities

III. Emissions
   A. 313 Chemicals Reported
   B. Air and Water Emissions
   C. Offsite
   D. VCM Emissions 87 vs. 88 vs. 89
   E. Emission Reduction - why?
      1. a. Fugitive vs. Stack VCM Emissions
         b. Turned vacuum dust from waste to product
      2. Annual VCM survey
   F. Wastewater Quality
   G. Particulate Emissions
      1. Current Emissions
      2. New Baghouses ($1.5MM)
      3. Projected Emissions

IV. Groundwater/Superfund

V. LEPC

VI. Waste Minimization

VII. Upcoming Capital Projects

SARA TITLE III

SUPERFUND

AMENDMENTS AND

REAUTHORIZATION

ACT OF 1986

THREE MAIN PROVISIONS OF SARA TITLE III

1. October, 1987: Material Safety Data Sheets (MSDSs) on hazardous materials at our plant sent to local planning committee.

2. March, 1988: Section 312, Amounts and locations of hazardous materials reported to local planning committee and fire chief.

3. July 1, 1988: Section 313, Amounts of hazardous chemicals released to the environment by our plant in 1987 must be reported.

Each of these items is due annually on the same date as specified above.

II. SARA Team (Presently)

Davie Sprowell

Rendell Newton

Doyle Wells

Joe Beall

Melvin Tally

Frank Jeanson

Bob Seymour

John Ray Hamilton

Jimmy Brewer

Doug Skokna

Bruce Trego

SARA TEAM CURRENT ACTIVITIES

1. Update video, brochure.
2. News release on reduced emission.
3. Established four sub-teams:

SCHOOLS & STUDENTS

Doyle Wells

Joe Beall

Jim Edwards

Curtis Outlaw

EMPLOYEES & FAMILIES

Dave Sprowell

Rendell Newton

Melvin Tally

Jimmy Brewer

LOCAL EMERGENCY PLANNING COMMITTEE

Bruce Trego

Frank Jeanson

COMMUNITY

Bob Seymour

John Ray Hamilton

Doug Skokna

LIST OF 4/88 - 7/89 SARA ACTIVITIES

PAMPHLET - Sent to all residents.

VIDEO

OPEN HOUSES:

- Employees and Families
- Local Officials and Media
- Medical Community
- High School Teachers
- 20th Century Club

PRESENTATIONS:

- Employees
- Rotary Club
- Lions Club
- Two Community Meetings
- Trucking Company

NEWS RELEASES:

- Environmental Awards
- Economic Contribution to Community
- Environmental Projects (Dust Collectors)
- Contributions Pictures
- Retirements/Service Awards

ADVERTISING:

- Radio
- Other Printed (Graduation, Sports, etc.)

MEMBERSHIPS:

- Rotary
- Exchange
- Board of Chamber of Commerce

COMMUNITY ASSISTANCE:

- Bassmasters: John Ray Hamilton
- Purchasing: Janice Minga
- LEPC Activities (Keith Fogg, Bruce Trego, Frank Jeanson)

OTHER:

- Christmas Parade Float
- Christmas At Blue Bluff Boat
- Highway Department Two-Mile Strip Cleanup
- Leadership Monroe Support
- AIChE Tours
- ASME Tours
- Career Presentation at High School
- Little League Baseball Sponsor
- Co-op MSU/Aberdeen High School
- Support Scholarships - Ten Men
- Alarm to City
- Scholarships

III.

A. 1988 313 Chemicals

Antimony

Barium

Caustic

Di-n-ocytl Phthalate (Plasticizer)

Lead

Methanol

Phthalic Anhydride

Sulfuric Acid

VCM

III.

B. 1988 313 Emissions

Air Emissions (lbs)

	Fugitive	Stack	Total
VCM	3008	73,554	76,562
Lead	-	7	7
Methanol	1-499	-	1-499

Water Emissions (lbs)

Di-n-octyl Phthalate	17
VCM	None Detected

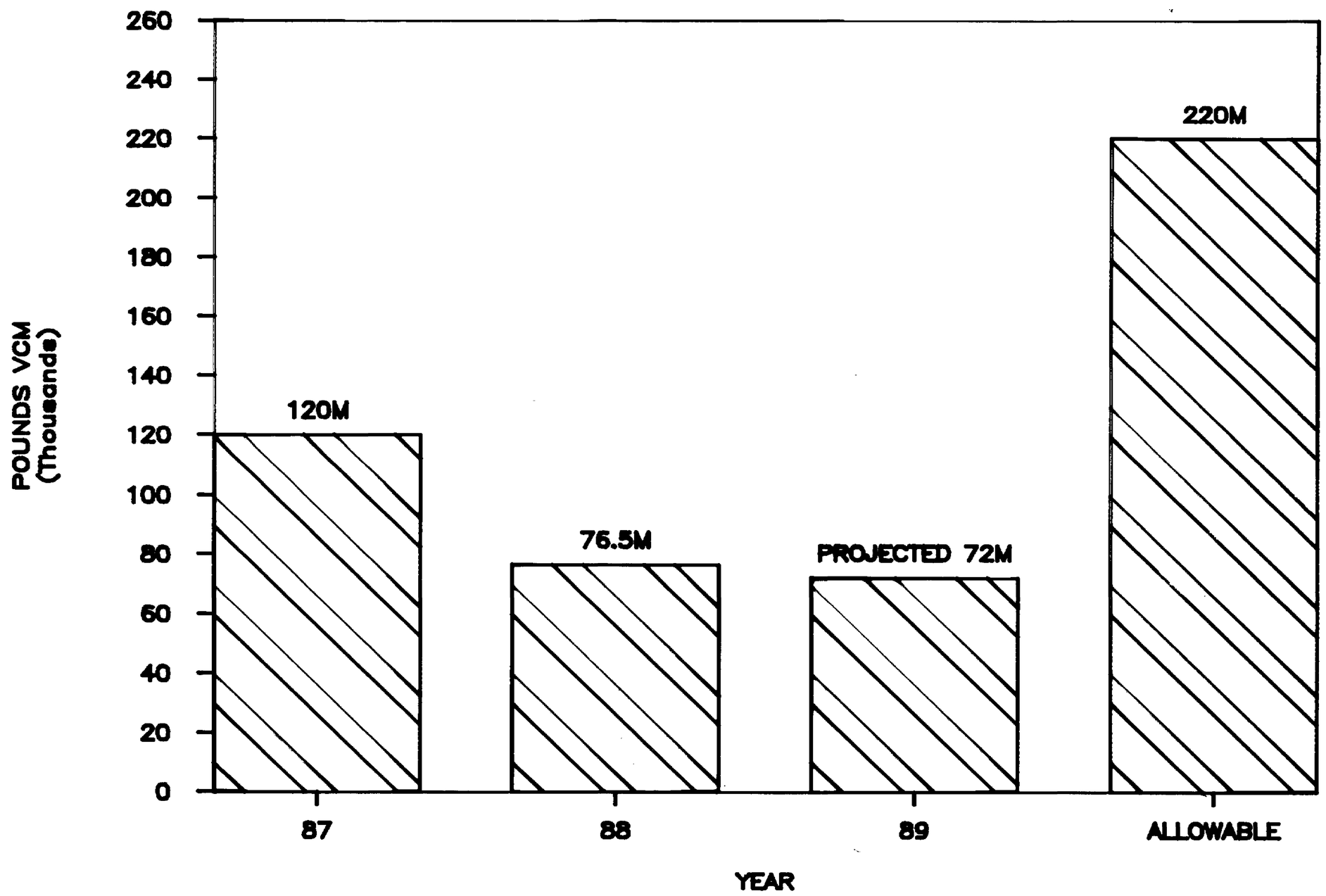
Analysis done at Mississippi State lower limit 5 ppb.

III.

C. 1988 313 Emissions

Offsite (lbs)

	Monroe County	CWM Emelle, AL	Stauffer Baton Rouge, LA	TOTAL
Antimony	864	868	-	1,732
Barium	61	327	-	388
Di-n-octyle Phthalate	-	6,786	72,184	78,970
Lead	3,018	3,052	-	6,070
Phthalic Anhydride	-	1,932	-	1,932


ANNUAL VCM EMISSIONS
POUNDS VCM (Thousands)
260
240
220
200
180
160
140
120
100
80
60
40
20
0
120M
76.5M
PROJECTED 72M
220M
87
88
89
ALLOWABLE
YEAR

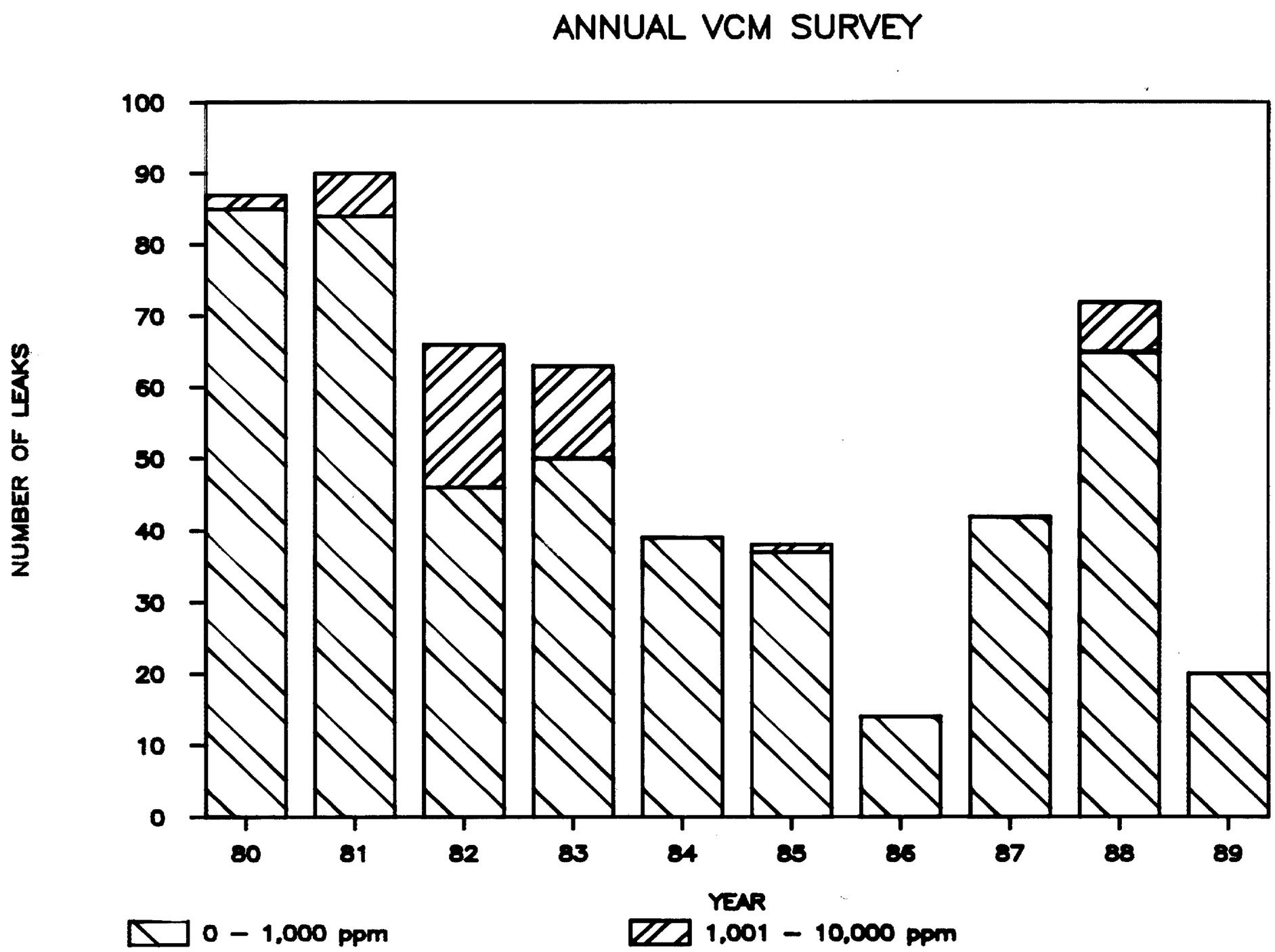
III.

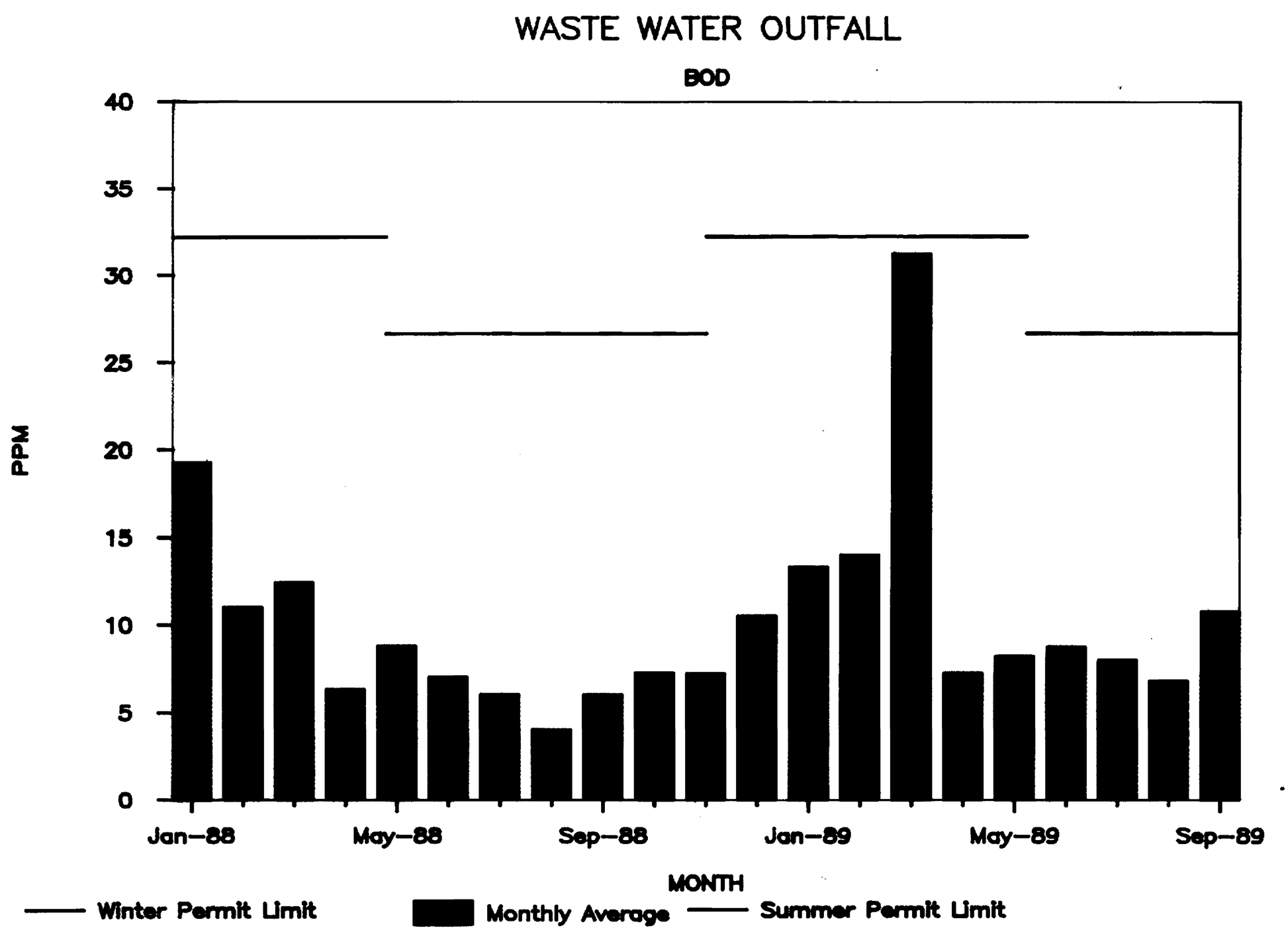
E. Emission Reductions

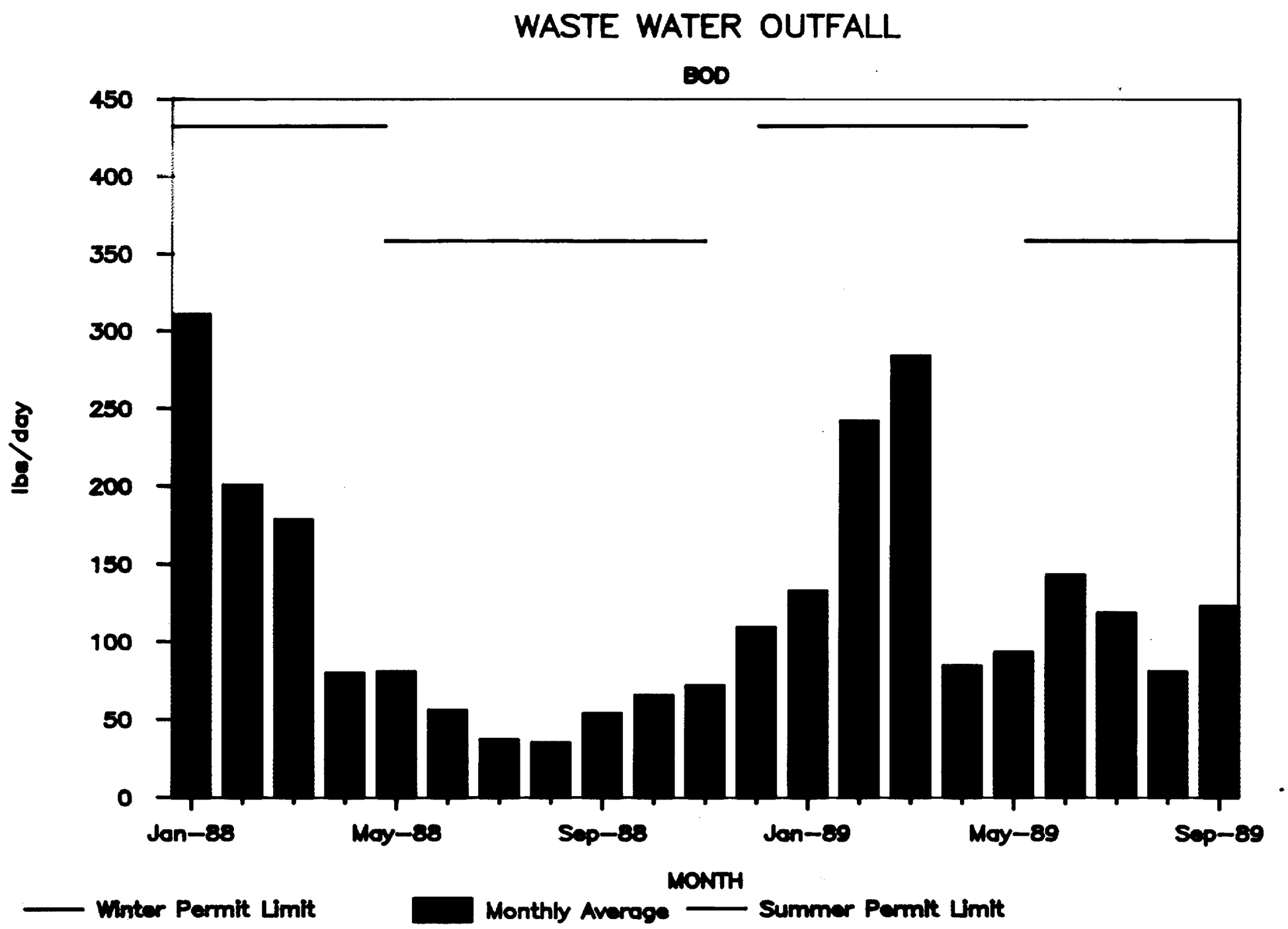
Chemical	lbs 1987	lbs 1988	Category
VCM	90,480	73,554	Air (stack emissions)
VCM	29,521	3,008	Air (fugitive emissions)
Barium	1,223	388	Offsite (landfilled)
Lead	13,545	6,070	Offsite (landfilled)

VCM air emissions were decreased in both the stack and fugitive categories. The stack emissions were reduced due to more stringent stripping procedures (higher temperature, longer time held under vacuum). The fugitive emissions were reduced as a result of a bagging study completed on the flanges and valves in VCM service.

During 1988 a waste, vacuum/vent dust, was sold as a by-product. Instead of this material being landfilled, it was sold and used in compound production. The amount of barium and lead landfilled was reduced due to this change.


ANNUAL VCM SURVEY
NUMBER OF LEAKS
100
90
80
70
60
50
40
30
20
10
0
80
81
82
83
84
85
86
87
88
89
YEAR
0 – 1,000 ppm
1,001 – 10,000 ppm


WASTE WATER OUTFALL
BOD
PPM
40
35
30
25
20
15
10
5
0
Jan-88
May-88
Sep-88
Jan-89
May-89
Sep-89
MONTH
Winter Permit Limit
Monthly Average
Summer Permit Limit


WASTE WATER OUTFALL
BOD
450
400
350
300
250
200
150
100
50
0
lbs/day
Jan-88
May-88
Sep-88
Jan-89
May-89
Sep-89
MONTH
Winter Permit Limit
Monthly Average
Summer Permit Limit

REPLACEMENT BAGHOUSE CONSTRUCTION PERMIT APPLICATION
VISTA POLYMERS - ABERDEEN
PARTICULATE EMISSIONS

REFERENCE NUMBER	SOURCE	1987 PERMIT APPLICATION AMOUNT (TON/YR)	1989 GUARANTEED AMOUNT WITH NEW BAGHOUSES (TON/YR)	1989 EXPECTED AMOUNT WITH NEW BAGHOUSES (TON/YR)
001	Vinyl Chloride Reaction and Storage Area	0	0	0
002	PVC Drying Area	123.4	55.7	22.1
003	PVC Storage and Handling Area	5.54	5.54	5.54
004	Compound Production Area	0.70	0.70	0.70
005	Dry Blend Production Area	2.01	2.01	2.01
006	Plasticizer Product Area	0	0	0
007	VCM Incinerators	0	0	0
	TOTAL	131.65	63.95	30.35

DRYER NUMBER	DRYER	1986 HOURS OPERATED	PARTICULATE EMISSIONS (LB/HR)	PARTICULATE EMISSIONS (TON/YR)	1988 HOURS OPERATED	BEN BAGHOUSE PARTICULATE EMISSIONS GUARANTEED (LB/HR)	BEN BAGHOUSE PARTICULATE EMISSIONS GUARANTEED (TONS/YR)	BEN BAGHOUSE PARTICULATE EMISSIONS EXPECTED (LB/HR)	BEN BAGHOUSE PARTICULATE EMISSIONS EXPECTED (TONS/YR)	TOTAL PARTICULATE EMISSIONS WITH BEN BAGHOUSES INCLUDED (TONS/YR) (GUARANTEED)	TOTAL PARTICULATE EMISSIONS WITH BEN BAGHOUSES INCLUDED (TONS/YR) (EXPECTED)
002-1	1	1064.5	7.0	3.7	2176	-	-	-	-	7.6	7.6
002-2	2	0	0	0	0	-	-	-	-	0	0
002-3	4	3430.5	7.0	12.0	6811	2.4	8.2	0.6	2.0	8.2	2.0
002-4	5	6789.5	7.0	23.8	8029	2.4	9.6	0.6	2.4	9.6	2.4
002-5	6	7826.5	7.0	27.4	6776	2.4	8.1	0.6	2.0	8.1	2.0
002-6	7	8043.0	7.0	28.1	8196	2.4	9.8	0.6	2.5	9.8	2.5
002-7	8	7069.5	7.0	24.7	7492	2.4	9.0	0.6	2.2	9.0	2.2
002-8	FB	8244.5	.90	3.7	7557	-	-	-	-	3.4	3.4
002-9	Baby	0	0	0	0	-	-	-	-	0	0
TOTAL				123.4						55.7	22.1

IV. Groundwater Monitoring

Four old sites where we buried plasticizer filter cake and API sludge.

Pond 2

EPA was here in February, 1989 to do evaluation

Have not officially got report yet
Unofficial word is no contamination
Our analysis showed no contamination

V. LEPC

The Local Emergency Planning Committee (LEPC) is a committee which incorporates expertise from a variety of sources to produce an accurate and complete plan. The members are appointed by the county commission in a manner that reflects a consensus of the entire community. Members include government, industry, media, transportation, and emergency response representatives. This team approach encourages the inclusion of the whole community in the planning process. The names of the committee members are forwarded to the Mississippi Emergency Management Agency for their records.

SUPERFUND BILL

GOVERNOR
STATE OF MISSISSIPPI

MISSISSIPPI EMERGENCY RESPONSE COMMISSION
JIM MAHER

EMERGENCY PLANNING DISTRICT
MONROE COUNTY
JIMMY KIRKPATRICK

LOCAL EMERGENCY PLANNING
DISTRICT (LEPD)

STATE AND LOCAL ELECTED OFFICIALS
CIVIL DEFENSE/EMERGENCY MANAGEMENT
FIRST AID OR EMERGENCY MEDICAL
LOCAL ENVIRONMENTAL GROUPS
BROADCAST AND PRINT MEDIA
OWNERS AND OPERATIONS OF FACILITIES
LAW ENFORCEMENT
FIRE FIGHTING
HEALTH
HOSPITAL
TRANSPORTATION
COMMUNITY GROUPS

Mr. Jerome Husky
Chairman Local Emergency Planning Committee
Route 1 Box 275C
Greenwood Springs, MS 38848

Mr. Gary Andrews
The Aberdeen Examiner
P. O. Box 279
Aberdeen, MS

Representative Dorlos (Bo) Robinson
Route 1 Box 419
Hamilton, MS 39746

Mr. Earl Frye
Fire Chief - Amory
204 North 8th Street
Amory, MS 38821

Mr. Jim Wells
WAFM FM95
P. O. Box 458
Amory, MS 38821

Mr. Mike Justice
True Temper
P. O. Drawer E
Amory, MS 38821

Mr. David Hodges
Monroe County Co-op
P. O. Box 97
Aberdeen, MS 39730

Mr. John George
Fire Chief - Aberdeen
125 West Commerce Street
Aberdeen, MS 39730

Mr. Don Ray, Administrator
Aberdeen-Monroe County Hospital
P. O. Box 747
Aberdeen, MS 39730

Mr. Jimmy Kirkpatrick
Chairman - Board of Supervisors
P. O. Box 437
Amory, MS 38821

Lt. Col. Tommy Williams
Corp. of Engineers
P. O. Box 158
Amory, MS 38821

Mr. John Creekmore
Monroe County Attorney
P. O. Box 716
Amory, MS 38821

Mr. Jim Buffington
Tenn-Tom Broadcasting
P. O. Box 1240
Aberdeen, MS 39730

Mr. Stan Boden
North American Plastics
P. O. Box 845
Aberdeen, MS 39730

Mr. Frank Patterson
Sheriff of Monroe County
P. O. Box 683
Aberdeen, MS 39730

Mr. Percy Wayne Harlow
Gilmore Memorial Hospital
604 10th Avenue North
Amory, MS 38821

Mr. Leman Edgeworth
B&N Railroad
101 Front Street
Amory, MS 38821

Mr. Frank Jeanson
Vista Polymers
P. O. Box 91
Aberdeen, MS 39730

Mr. Bruce Trego
Vista Polymers
P. O. Box 91
Aberdeen, MS 39730

Kathy Dodson
Kerr-McGee
P. O. Box 180
Hamilton, MS 39746

VI. Waste Minimization

Characterized and quantified all wastes, evaluating reductions/elimination

Examples:

Cardboard box/paper bag recycle

Eliminate lead bags by buying lead in supersacs

API Separator oil - reuse in plasticizer

Waste oil recycle

VII. New Projects

1. Water - Coker Aquifer
2. VCSM - distributive control system like dryblend
3. Water Recycle
4. Incinerator Replacement
5. TC Waste Water Compliance
6. Continuous Slurry Stripping - evaluating