

File Copy A

To: T. H. Huffman

From: D. C. Skokna
Date: November 30, 1992

Interoffice
Communication

Subject: **ABERDEEN MONTHLY PROGRESS REPORT
OCTOBER, 1992**

VISTA

Safety

There were two recordable cases in October. A mechanic was caught between a moving forklift and a structural steel member causing a contusion to his lung. Hospitalization and recuperation at home were necessary making this a lost time injury. An operator received first and second degree burns on his lower legs due to an overflow of a plasticizer reactor. At month end, the plant's employees had worked 24 days (24,777 employee hours) since the last lost time injury.

FX1993 Key Statistical Information

	<u>Oct.</u>
PVC Production, MM Lbs.	38.9
Reactor Stream Factor, %	87.5
Resin Quality, % Prime	97.2
Flexible Compound Production, MM Lbs.	6.5
Flexible Compound Quality, % Prime	97.3
Plasticizer Production, MM Lbs.	1.7
Plasticizer Quality, % Prime	86.5
Energy Use, (EUI, %)	< 3.2 >
Fixed Cost Variance, \$M	6.9
Variable Cost Efficiency Variance, \$M	<10.7 >

Operations

The vinyl unit ran well during the month with 152 hours of reactor downtime caused by low VCM supply. While down, routine reactor shutdown maintenance was performed on reactors D300 and D745.

Compound production ran at good rates, with some softening in demand for Line I and Line III products. Line V rates were high due to moving Donnelly products from Line III to Line V.

Costs

Both fixed and variable costs were near budget.

T. H. Huffman

11/30/92

Aberdeen Monthly Progress Report - October, 1992

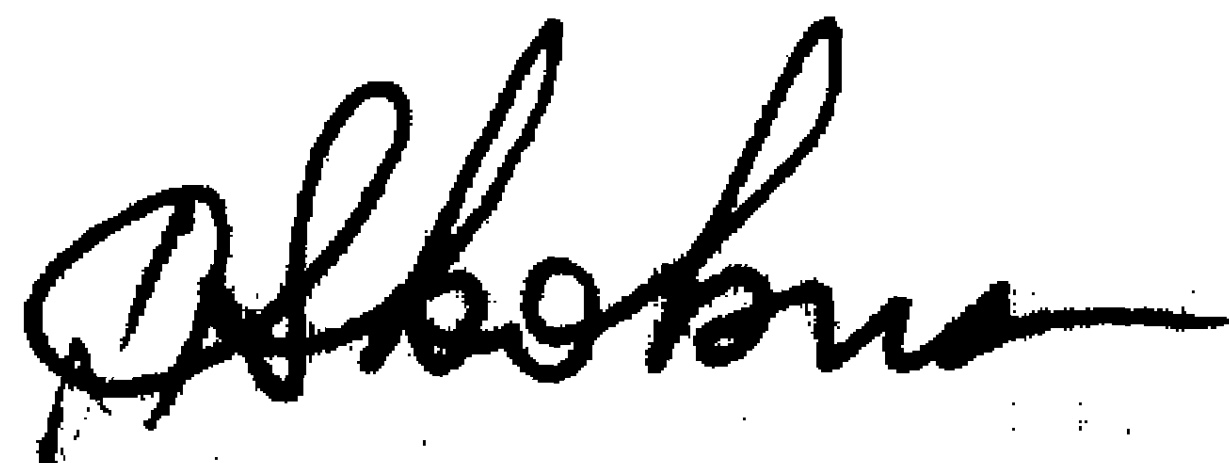
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OMP

- Compound "A" Shift implemented procedures to reduce stabilizer and plasticizer waste.
- Compound "B" Shift recommended a project that will improve mill safety.
- Compound "C" Shift improved compounder stock temperature documentation by product.
- The Compound Supervisors Team documented operating procedures for Line I and Line III. These procedures improve consistency. One customer noted that they have seen these improvements.
- The Accounting Natural Team implemented a project that cuts telephone costs.
- The Plant Superintendent's Team recommended changes that will reduce overtime. The team also developed training plan improvements for current and new employees.

Environmental

- The MDEQ approved the work plan to further investigate the VCM contaminated shallow groundwater.



D. C. Skokna
Plant Superintendent

rah

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SAFETY - C. M. Markerson/J. V. Uptain

	<u>Oct.</u>	<u>Fiscal</u> <u>Y.T.D. 1992</u>	<u>Fiscal</u> <u>Y.T.D. 1991</u>
First Aid	0	0	1
OSHA Recordable	<u>2</u>	<u>2</u>	<u>1</u>
Total Injuries	2	2	2
Number of Restricted Workday Cases	1	1	1
Number of Lost Workday Cases	1	1	0

Injuries by Department

Vinyl Operations	0	0	0
Compound Operations	1	1	1
Maintenance	1	1	1
Laboratory	0	0	0
Receiving/Warehouse	0	0	0
Office	<u>0</u>	<u>0</u>	<u>0</u>
Totals	2	2	2

Injuries by Type

Cuts and Abrasions	0	0	1
Eye Injuries	0	0	0
Burns	1	1	0
Bruises	1	1	0
Strains/Sprains	0	0	1
Stings	0	0	0
Other	<u>0</u>	<u>0</u>	<u>0</u>
Totals	2	2	2

Non-Occupational Injuries

Lost Workday Cases	2	2	1
Days Lost	6	6	3

Contractor Injuries

First Aid Cases	0	0	2
Medical Treatment Cases	0	0	0
Lost Workday Cases	0	0	0

Safety Record

Last lost time injury - 10/7/92
Days since - 24
Employee hours since - 24,777

On October 31, 1992, the employees of the Aberdeen plant completed 24 days with no lost time injury.

SAFETY - Continued

Topics for the plant safety meetings during the month included a review of recent injuries and lift truck safety.

Inspections conducted were:

- Annual PM was performed on all plant fire extinguishers.
- The Deluge system for the tank farm and VCM unloading rack was tested.
- All plant fire hoses were inspected and tested.
- All plant SCBAs were inspected.
- All plant safety showers and eye washes were inspected.

Routine dosimetry results for the month were:

<u>Chemical</u>	<u>< PEL</u>		<u>> PEL</u>	
	<u>Number</u>	<u>Percent</u>	<u>Number</u>	<u>Percent</u>
VCM	80	100.0	0	0
Lead	8	100.0	0	0
Total Particulates	3	100.0	0	0

Monthly Injury Summary

<u>Injury Class</u>	<u>Department</u>	<u>Description</u>
LT	Maintenance	Severe contusion of left lung.
RWC	Compound	First and second degree burns of both legs on and below the knees.

QUALITY MANAGEMENT PROCESS - E. E. Smith

The plant's natural teams are gearing up for fiscal 1993 improvements.

Several teams documented successes.

The Compound "A" Shift implemented a procedure to label all partially used stabilizer and plasticizer drums. This eliminated a source of stabilizer and plasticizer waste.

The Compound "B" Shift completed a project recommending work to improve compound mill safety.

The Compound "C" Shift documented stock temperatures of different compounds. These records will be used for customer information and improve product consistency.

The Compound Supervisors Natural Team documented operating procedures for products run on Lines I and III. These procedures will help product consistency. One customer indicated that they saw improved consistency.

The Accounting Natural Team completed a project which will reduce telephone costs and improve cost auditing capabilities.

The Plant Superintendent's Natural Team recommended enlarging the warehouse staging area at a fraction of the cost of yearly overtime.

The Plant Superintendent's Natural Team recommended improved training for new employees. This training program will also be made available for current employees.

COST VARIANCES - D. C. Skokna

Variable Costs

<u>Product</u>	<u>Oct., 1992 Variance, \$M</u>		
	<u>Efficiency</u>	<u>Price</u>	<u>Total</u>
PVC	<\$22.2>	\$153.3	\$131.0
Flexible Compound(1)	< 30.9>	116.5	85.5
Plasticizer	42.4	7.0	49.4
Total	<\$10.7>	\$276.8	\$265.9

(1) Flexible Compound includes automotive compounds and PLENEX made at Aberdeen.

PVC Resin

VCM use was above budget due to producing more off-grade than budget. However, there is a question of accuracy of the IPA since a new OASIS modeling method was used for the first time in October.

Flexible Compound

Raw material use was above budget due to above budget production of off-grade.

Plasticizer

Raw material use was above budget.

Major Price Variances:

	<u>Variance - \$M</u>
■ VCM	\$239.7
■ Resin to Compound	89.8
■ Plasticizer	43.1
■ Electricity	13.1
■ Initiators	< 26.0>
■ Natural Gas	< 70.3>
■ Other Price Variances	< 12.6>
Total	\$276.8

Fixed Cost Variances

	<u>Variance - \$M</u>
■ Payroll and Benefits	\$ 6.0
■ MM&C	15.9
■ Miscellaneous	< 1.0>
■ TI&D	6.5
■ Clearances	< 20.5>
Total	\$ 6.9

COST VARIANCES - Continued

Payroll and Benefits

This category was essentially at budget.

MM&C

Contract costs were \$27.7M below budget while materials were \$11.8M above budget.

Miscellaneous

- = **Rentals:** <\$11.9M> - An air compressor was rented while one of the main compressors underwent a major overhaul. Funds for the rental were put in MM&C budget.
- = **Warehouse Gain/Loss:** <\$11.3M> - This overbudget item is due to the write-off in September of spares for the Rigid Compound Unit. Due to an accounting error, the charges did not clear until October.
- = **Clearances:**
 - **Outside:** <\$20.5M> - Low activity in the pond #2 cleanup project caused this variance.

VINYL - J. D. Olson, D. E. Knittig

Safety

The Vinyl Department had no injuries in October.

The monthly safety meetings were held on shift discussing the injury to our forktruck mechanic and the dangers of pinch points.

General

1. A power failure caused by a TVA transformer problem caused minimal downtime. DCS modifications in September helped to control the reaction with limited effect on quality during this upset.
2. There was 152 hours of downtime associated with low VCM inventory. Some maintenance items were completed to coincide with the necessary downtime.
3. The new water plant produced water used by the unit this month. 121 hours of downtime were required to flush the process water header completely and wait on the results of the first batch of resin made with Coker aquifer water. We produced samples for customers and monitored resin quality. After sample production was completed, we returned to the old aquifer. Customer approvals are pending.

	<u>October</u>	<u>YTD</u>
- Production, MM Lbs.	38.9	38.9
- Daily Rate, M Lbs./C.D.	1253.4	1253.4
- Capacity Utilization Factor, %	93.2	93.2
- Total Reactor Charges	921.0	921.0
- Charges/C.D.	29.7	29.7
- Reactor Stream Factor, %	87.5	87.5
- Rotary Dryer Stream Factor (#4-#8), %	90.1	90.1
- Fluid Bed Dryer Stream Factor, %	92.9	92.9
- Resin Quality, % Prime	97.2	97.2

Reactor Downtime

	<u>Hours</u>
■ Operational downtime (recovery scheduling conflicts, charge/rinse water conflicts, Q.C. data delays, dump conflicts, and no blend tank space). NOTE: 152 hours low VCM inventory; 121 hours for new Coker water.	525.0

VINYL - Continued

Reactor Downtime

Hours

- Maintenance downtime (D-745 annual inspection and relief valve rework, plant steam outage for boiler tie-ins and steam leaks, D-300 annual inspection, DCS program work, D-700 agitator seal, D-741 cooling jacket, D-700 rinse valve, D-745 rinse nozzle, Old Module cooling tower, D-700 seal oil pump, and D-741 rinse valve).

402.0

Dryer Time

% of
Total
Downtime

- Operational downtime (centrifuge plugs, dryer cleaning, flameouts).
- Maintenance downtime (activator problems, centrifuge repair).
- Reactor limited production.

33.5

37.3

29.2

Key Maintenance Items - J. B. Autrey/S. A. Truitt

- The cooling tower #2 fan gearbox was rebuilt and placed back in service.
- Reactor 700 agitator seal was replaced after only six months in service. Resin plugged the seal oil line and backed into the oil tank.
- A nozzle on the hot water tank in the New Unit was replaced. The old nozzle was leaking; galvanic corrosion was suspected. A flange insulating kit was also installed.
- Reactors 300 and 745 were blanked for safety relief valves to be sent out for reconditioning. Reactor 300 was blanked for annual inspection and rupture disk changes. The agitator motor on reactor 300 was changed out due to a bad bearing detected on the vibration route.
- Compressor 905 was replaced after a leak was discovered. The unit was repaired for a spare.
- The #8 air compressor was rebuilt. The unit had normal wear.

VINYL - Continued

Key Maintenance Items - J. B. Autrey/S. A. Truitt - continued

- The biannual inspection/overhaul was completed on the west Joy centrifugal compressor. Also, the motor had bad bearings and was sent out for repair.
- Two control cards failed during October. Both failures were due to a problem with the power supply.
- The steam control valve on reactor 742 was replaced. The valve was plugged.
- Critical instrumentation PMs were completed on common equipment in the New Unit on flow, temperature and pressure instrumentation.

COMPOUND - S. C. Hillman, J. B. Hegwood

Safety

The Compound Department had no OSHA recordable injuries in October.

General

Orders continue to be down slightly on Line I and Line III. Line V production has increased greatly since the Donnelly automotive material was moved from Line III. Production for the month was up 100M pounds from last month.

<u>Compound Production</u>	<u>Operating Days</u>	<u>Production M (Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Line I	31	1892	61	1891
Line III	31	3646	117	3646
Line V	24	989	41	989
Total		6527	219	6527
% Prime		97.28		97.28
Capacity Utilization Factor		86.97		86.97

Downtime

Hours

Line I

- Product Changes	94
- One Dicer Offline	43
- Miscellaneous Maintenance	45
- Quality	12
- Coverage for Other Lines	27

Line III

- Product Changes	114
- Miscellaneous Maintenance	32
- Quality	15
- One Dicer Offline	13

Line V

- Product Changes	81
- Quality	4
- Miscellaneous Maintenance	12

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Plasticizer	30	1668	56	1668
% Prime		78.09		78.09
Capacity Utilization Factor		86.45		86.45

COMPOUND - Continued

Key Maintenance Items - J. B. Autrey/S. A. Truitt

- PM was completed on Line III #6 dicer. The motor was also replaced and sent out for repair due to bad bearings.
- Line I "B" blender gearbox was changed. The old gearbox has been rebuilt for a spare.
- Plasticizer reactor R-1 agitator blades and seal were replaced and the leak in the coil repaired.
- Line I #1 dicer controls' capacitors and inductors were replaced.
- The power supply and digital board for the plasticizer scale on Line I Pro-Batcher was replaced.

ENGINEERING - J. E. Nickerson, T. R. Mackay, R. H. Sneed, M. L. Carter

PROJECTS IN DEVELOPMENT - GENERAL

Water Plant

Water plant startup is in progress. Chemical feed rates have been identified, but some fine tuning still needs to be made.

New Boiler

The specification and bid package for an 80,000 lb./hr. boiler was sent out to selected vendors for bids.

Elasticizer Expansion

Continuing to work on the Class "A" design including additional tankage.

VCM Compressor Upgrade

Construction for upgrading the compressors and installation of safety equipment is in progress.

OSHA Process Safety

Policies for each element of OSHA PSM have been approved by the Plant Manager. These policies have been assembled into the OSHA PSM Manual and serve as the basis for the Aberdeen PSM Program. Efforts in OSHA PSM will now be concentrated in: 1) Development of process safety information; 2) Training certification and "needs analysis"; and 3) Continued updates to operating procedures.

Water Use Minimization

Plant surveys were conducted to identify areas for potential water use reductions. A report will be issued which details the results of these surveys.

EXPRESS

Continued to follow and provide input to the technology licensing agreement.

Wastewater

The aeration design estimate is \$179M. The project will begin construction in January and be completed in February.

The fish are still doing well and a part of the aeration design is to put screens around Pond 5 aerators. The screens are needed to keep a larger algae-eating species out of the blades when we use fat-head carp.

Work has begun on a dechlorination and foam-trol design for the ponds.

ENGINEERING - Continued**Cooling Tower**

Work was done with Betz and Puckorius, a consultant, to determine the treatment system the plant will need. It was decided to move ahead in three areas of improvement in the following order. First, continuous chemical feed; second, automatic chlorination; and third, blowdown control. A chemical feed design was started.

ABERDEEN CHEMICAL PLANT
MONTHLY PROGRESS REPORT
CAPITAL EXPENDITURE STATUS

M.L. CARTER
OCTOBER REPORT

1992 F.Y. CAPITAL EXPENDITURES (M\$)

	<u>ACTUAL</u>	<u>BUDGET</u>	<u>VARIANCE</u>	
			<u>M\$</u>	<u>%</u>
Month	165.7	166.0	- 00.3	-0.2 %
1st Qtr.	165.7	803.0	- 637.3	-79.3%
YTD	165.7	4253.0	+4087.3	-96.1%

Actual Expenditures - Expenditures in October were \$0.3 M less than the plant's budgeted expenditure forecast approved in the First Quarter Budget submitted in August FY92.

It should be noted that the capital expenditures associated with project H612 Pond 2 Resin Drying are not accounted for in the reported actual above due to the accounting procedures and contract agreement with Conoco.

Quarter Budget - Current Quarter Expenditure Forecast as submitted and approved for the current quarter capital budget.

YTD Budget - Total of current and previous quarter approved budgets.

Forecasted Expenditures - Total Expenditures for the First Quarter FY93 are forecasted at \$803M while November expenditures are forecasted at \$319M.

ENVIRONMENTAL - K. G. Akins

Water

All wastewater discharge parameters were met for the month of October.

Work continued on meeting the new permit limitations for BOD effective February 1. The work included computer modeling of the stream to determine appropriateness of the limits and work on recycle of wastewater.

VCM Plume

The MDEQ approved the work plan for further investigation of the vinyl chloride contamination of the shallow groundwater at the Aberdeen Plant. Field work will begin in early December beginning with use of Conoco's cone penetrometry equipment.

Waste

Waste shipments during the month included:

- A bulk shipment of empty lead bags to Chemical Waste Management in Emelle, AL.

ENERGY CONSERVATION - J. A. Bodron

October 1992

Fiscal YTD

I. Energy Conservation Data

A. Unadjusted EUI
B. Adjusted EUI
C. BTU/lb. Product
D. Total Energy Consumption
MMB BTU

< 4.2%>
< 3.2%>
2757.5
132.0

< 4.2%>
< 3.2%>
2757.5
132.0

II. Boiler Operation

Boiler

No. 1
No. 2
No. 3

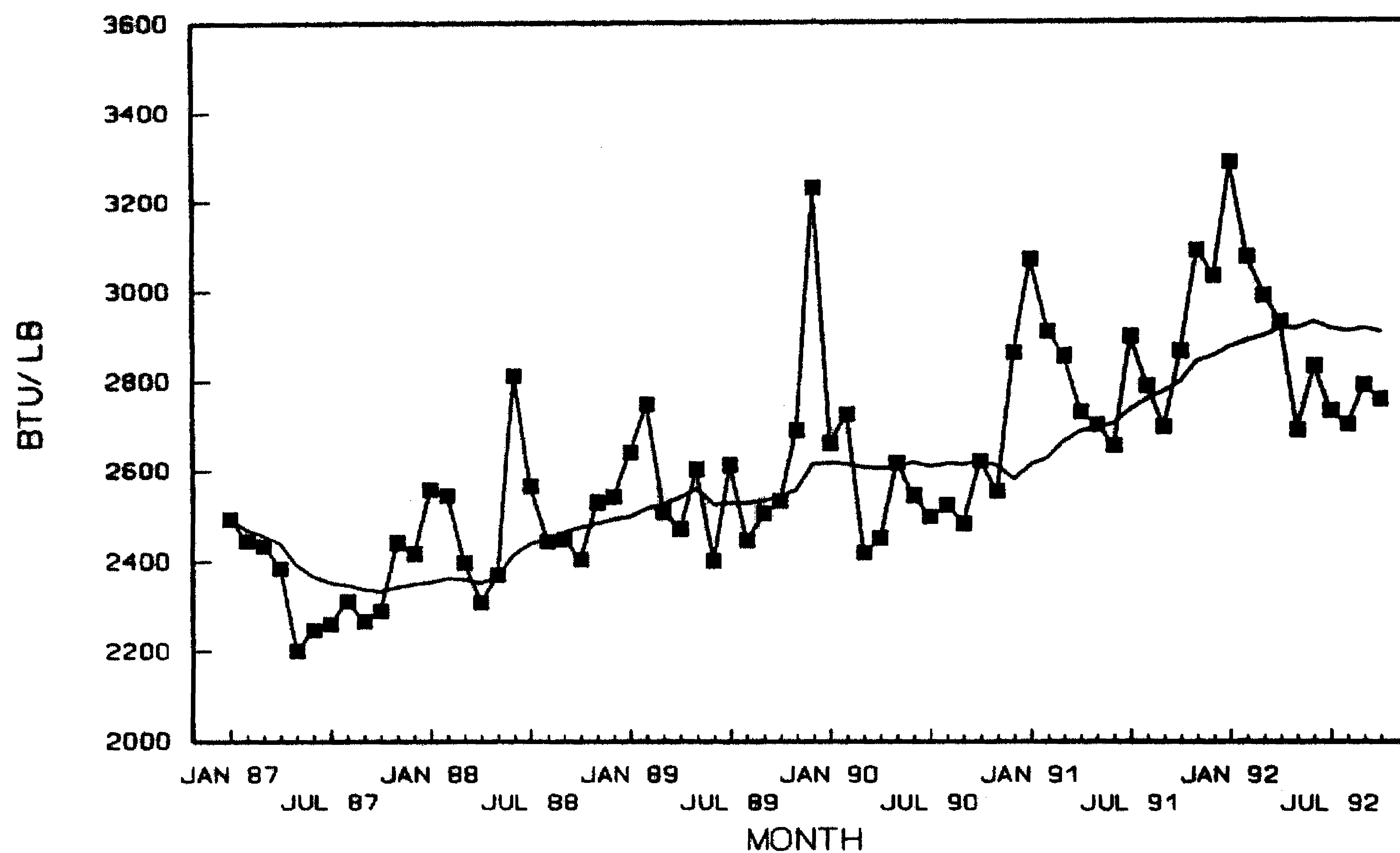
Combustion Efficiency %
October 92 **Fiscal YTD**

83.4%
83.0%
83.4%

83.4%
83.0%
83.4%

ABERDEEN ENERGY EFFICIENCY

BTU/LB TOTAL PRODUCTION



HUMAN RESOURCE REPORT

OCTOBER, 1992

PERSONNEL - J. E. Beall

EMPLOYMENT

Frances W. Reeves - New Hire - Part time Nurse hired replacing Ginny Belk.

PROMOTIONS/TRANSFERS

Samuel Brown - Maintenance Department - Instrument Technician "A" promoted to Process Control Specialist.

Donald Whatley - Compound Department - Compound Operator promoted to Mechanical Inspector.

Teresa Ponders - Administrative Services Department - Materials Coordinator - transferred to Analyst/Maintenance position due to her job being eliminated during the reduction-in-force (replacing Vicki Turman).

Chris M. Markerson - Safety Department - Safety Director - Transferred from OKC to Aberdeen (replacing Bruce Trego).

Wayne Lee Cadden - Compound Department - Compound Utility - Claimed General Helper position due to reduction-in-force.

Nathaniel Smith - Compound Department - Compound Utility - Claimed General Helper position due to reduction-in-force.

Richard Reynolds - Compound Department - Compound Utility - Claimed General Helper position due to reduction-in-force.

Robert Williams - Maintenance Department - Head Building Attendant - Claimed General Helper position due to reduction-in-force.

D. W. Clark - Maintenance Department - Building Attendant - Claimed Head Building Attendant position due to reduction-in-force.

Willis Dobbs - Warehouse Department - Warehouse Worker "A" - Claimed General Helper position due to reduction-in

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October, 1992
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-force.

Leo Ezell - Warehouse Department - Warehouse Worker "A" -
Claimed General Helper position due to reduction-in-
force.

Phillip Drake - Vinyl Department - Vinyl "A" Operator -
Claimed General Helper position due to reduction-in-
force.

Jim Jessup - Lab Department - Laboratory "A" Technician -
Claimed Compound Utility position due to reduction-in-
force.

Jeff Sykes - Lab Department - Laboratory "A" Technician -
Claimed Compound Utility position due to reduction-in-
force.

Mitchell Bishop - Lab Department - Laboratory "A" Technician -
Claimed Compound Utility position due to reduction-in-
force.

Richard Pace - Lab Department - Laboratory "A" Technician -
Claimed Compound Utility position due to reduction-in-
force.

RETIREMENTS

Olen Verner - Compound Department - Compounder - Early
retirement.

TERMINATIONS/RESIGNATIONS

Vicki Turman - Maintenance Department - Analyst/Maintenance -
laid off due to reduction-in-force.

Bruce L. Trego - Safety Department - Safety Director -
resigned from the company.

Denton Cunningham - Compound Utility - Laid off due to
reduction-in-force.

Victor Elliott, Jr. - General Helper - Laid off due to
reduction-in-force.

Henry Rogers, Jr. - General Helper - Laid off due to
reduction-in-force.

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Dennis Whitehead - Compound Utility - Laid off due to
reduction-in-force.

Mark Williams - Compound Utility - Laid off due to
reduction-in-force.

Jimmy Winders - Compound Utility - Laid off due to
reduction-in-force.

Dale Wilbanks - Compound Utility - Laid off due to
reduction-in-force.

TO/FROM LEAVE OF ABSENCE

R. Danny Flippo - Vinyl Department - Union Leave of Absence.

Holli Harris - Engineering Department - Educational Leave of
Absence.

ABERDEEN PLANT

MONTHLY PERSONNEL REPORT

OCTOBER, 1992

<u>EMPLOYMENT</u>		<u>NEW HIRES</u>		<u>MO</u>	<u>FYD</u>
Salaried	79	Salaried/Transfer		3	3
Hourly	145	Hourly		0	0
Temporary	2	Temporary		1	1
SUB TOTAL	226	TOTAL		0	4
L.O.A.	2				
TOTAL	228				

DEPARTMENTS	#EMPLOYEES	M	F	%M	%F	DEPARTMENT TURNOVER		ANN. %
						MO.	FYD	
WAREHOUSE	13	7	0	53.8%	0	2	2	1.3%
GENERAL PLANT	13	7	0	53.8%	0	0	0	0
MAINTENANCE	35	8	0	22.8%	0	1	1	.2%
LABORATORY	18	3	1	16.6%	5.5%	4	4	1.8%
COMPOUND	30	22	1	73.3%	3.3%	5	8	2.2%
VINYL	31	10	2	32.2%	6.5%	1	1	2.7%
PLASTICIZER	5	2	0	40%	0	0	0	0
SUB TOTAL	145	59	4	41%	2.8%			
SALARIED	79	6	18	7.6%	22.8%			

<u>APPLICATIONS</u>	<u>No.</u>	<u>%</u>	<u>PLANT TURNOVER</u>	<u>No</u>	<u>%</u>
Month	0	0	Hourly Month	10	.6%
FYD	0	0	FYD	10	.6%
Minority	0	0	Salaried Month	2	.2%
Female	0	0	FYD	2	.2%

Printed
10/31/92

DEPARTMENTAL SUMMARY HOURS REPORT
----- YEAR TO DATE -----

Department	Total S/T Hr	Total Hour	Overtime % of S/T	Holiday Worked Hr	Holiday hr Not worked	Non Paid Hours	Absence % of S/T	Jury Duty	Paid Absences National Guard	Death in Family	Long-term Disability	Total Abs % of S/T	Vacation
YARD	12899.25	1345.75	13.50	396.25	644.00	121.50	.94	12.00	0.00	84.00	0.00	1.69	1932
GENERAL HELPERS	272.00	20.75	7.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
UTILTY	7277.50	904.50	15.23	204.00	340.00	12.00	.16	0.00	0.00	24.00	0.00	.49	1156
MAINTENANCE	45698.25	5052.25	11.36	138.75	1968.00	835.75	1.83	344.00	80.00	416.00	776.00	5.37	9536
QC LAB	25650.50	1985.50	10.27	648.00	1204.00	405.50	1.58	36.00	384.00	198.00	360.00	5.39	4120
JANITORS	3015.50	70.25	2.33	7.75	120.00	16.50	.55	16.00	0.00	0.00	16.00	1.61	544
WAREHOUSE	10245.75	1327.25	13.21	26.00	448.00	44.50	.43	0.00	0.00	92.00	144.00	2.74	1480
STORES	3000.00	63.75	2.13	0.00	128.00	45.50	1.52	0.00	0.00	0.00	0.00	1.52	544
DEVELOPMENT LAB	7772.00	591.50	9.63	157.00	320.00	17.75	.23	0.00	0.00	0.00	0.00	.23	824
DRY BLEND	7338.50	638.50	11.15	188.00	484.00	66.25	.90	0.00	168.00	12.00	408.00	8.92	1000
COMPOUND	55494.00	7236.00	16.07	1683.50	2588.00	577.78	1.04	60.00	180.00	400.00	2012.00	5.82	7116
VINYL	55820.00	9497.25	20.06	1788.00	2588.00	2788.75	4.85	132.00	240.00	228.00	7384.00	19.51	7300
PLASTICIZER	6852.00	926.50	15.32	123.00	340.00	176.75	2.58	0.00	0.00	24.00	1500.00	24.82	1776
Total Plant =====>	241335.25	28659.75	14.47	5244.25	11128.00	5028.53	2.08	680.00	1052.00	1476.00	12800.00	8.68	37328

Pay Period ending October 25, 1992

01/06/92 - 10/25/92

Printed
10/31/92

DEPARTMENTAL SUMMARY HOURS REPORT
----- MONTHLY -----

Department	Total S/T Hr	Total Hour	Overtime % of S/T	Holiday Worked Hr	Holiday hr Not worked	Non Paid Hours	Absence % of S/T	Jury Duty	Paid National Guard	Absences Death in Family	Long-term Disability	Total Abs % of S/T	Vacation
YARD	1188.00	156.75	13.19	0.00	0.00	0.00	0.00	0.00	0.00	12.00	0.00	1.01	160
GENERAL HELPERS	196.00	20.75	10.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
UTILITIY	652.00	166.75	25.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	144
MAINTENANCE	4409.00	607.25	13.77	0.00	0.00	46.75	1.06	64.00	0.00	16.00	16.00	3.24	280
QC LAB	1846.00	217.75	11.80	0.00	0.00	17.00	.92	0.00	0.00	12.00	48.00	4.17	192
JANITORS	360.00	1.25	.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.00	4.44	40
WAREHOUSE	791.00	73.25	9.26	0.00	0.00	1.00	.13	0.00	0.00	0.00	0.00	.13	8
STORES	310.00	3.00	.97	0.00	0.00	2.00	.65	0.00	0.00	0.00	0.00	.65	8
DEVELOPMENT LAB	648.00	62.00	9.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	152
COMPOUND	5367.50	789.00	14.33	0.00	0.00	17.50	.33	0.00	0.00	24.00	248.00	5.39	336
VINYL	5101.25	578.00	11.33	0.00	0.00	22.75	.45	0.00	0.00	0.00	188.00	4.13	288
PLASTICIZER	588.00	85.75	14.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.00	28.57	60
Total Plant >>>>>	21456.75	2744.50	12.78	0.00	0.00	107.00	.50	64.00	0.00	64.00	696.00	4.28	1668

Pay Period ending October 25, 1992

9/28/92 - 10/25/92

PURCHASING/WAREHOUSE - M. A. Swierc

Safety

There were no reportable safety instances this month.

Quality

All teams met in October to review progress on their projects.

Futures

	<u>MTD</u> <u>Gain/(Loss)</u>	<u>YTD</u> <u>Gain/(Loss)</u>
Natural Gas	\$0	\$0

Statistics

<u>Processed</u>	<u>Month</u>	<u>FY92</u> <u>Y.T.D.</u>
Cost Savings Through Bid Process	\$288.08	\$288.08
MRO/AFE Purchase Orders Processed	202	202
Spare Parts Purchase Orders Issued	187	187

Packaged Finished Goods Ending Inventory

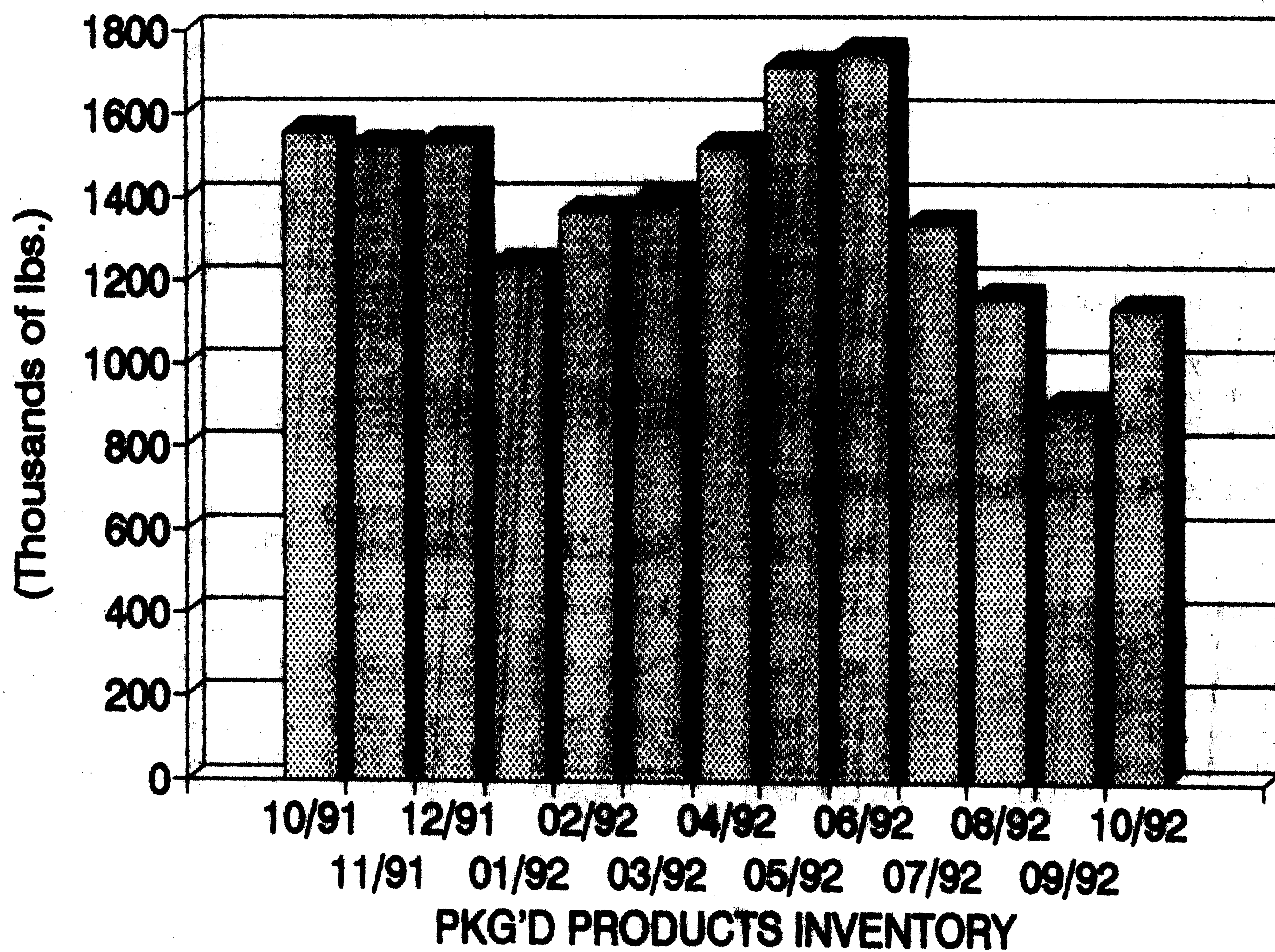
	<u>Sept. '92</u>	<u>Oct. '92</u>	<u>(Decrease)</u> <u>/Increase</u>	<u>%</u> <u>Change</u>
Compound "A" Grade	4,425,368	5,001,984	576,616	13.03
PLENEX	161,769	183,278	21,509	13.30
Compound Off-Grade (BC)	333,521	457,885	124,364	37.29
Compound Off-Grade (H)	51,829	116,782	64,953	125.32
Millscrap	32,621	59,323	26,702	81.86
Dry Blend "A" Grade	477,492	430,931	< 46,561 >	< 9.75 >
Dry Blend Offgrade	88,737	169,042	80,305	90.50
Resin Type I	1,337,050	1,400,300	63,250	4.73
Resin Type "BC"	100	100	0	0
Vacuum Dust	<u>180,553</u>	<u>190,830</u>	<u>10,277</u>	<u>5.69</u>
Total Packaged W/house	7,089,040	8,010,455	921,415	13.00

Bulk Finished Goods Ending Inventory

	<u>Sept. '92</u>	<u>Oct. '92</u>	<u>(Decrease)</u> <u>/Increase</u>	<u>%</u> <u>Change</u>
Compound "A" Grade	1,330,021	1,809,985	479,964	36.09
Compound Offgrade	0	0	0	0
Rigid "A" Grade	801,942	212,552	< 589,390 >	< 73.50 >
Rigid Offgrade	0	0	0	0
Resin Type I	10,688,058	10,532,028	< 156,030 >	< 1.46 >
Resin Offgrade	<u>2,372,251</u>	<u>1,158,750</u>	<u>< 1,220,501 ></u>	<u>< 51.30 ></u>
Total	15,199,272	13,713,315	< 1,485,957 >	< 9.78 >

FLEXIBLE & RIGID OFF-GRADE

OCTOBER '91 THRU OCTOBER '92



LABORATORY - J. M. Edwards, J. R. Williams

A. Safety

There were no safety incidents in the Laboratory during October.

B. Customer Contacts

There were no customer visits during the month of October.

C. Customer O.C. Problem Reports and CNR's

10/01 Marley Moulding, Waco, TX

The customer complained of flow problems with a shipment of 5265 resin. Samples were sent to Austin for further analysis.

10/12 Northwire, Osceola, WI

The customer complained of varying wall thickness in wire made with 34431 compound.

10/13 Formtech, Stow, OH

The customer complained of degrading "purge dry blend" at 250 to 300 degrees F. The samples sent from Formtech did not show any problems using torque rheometry testing.

C. Product Waivers Issued

<u>Customer</u>	<u>Product</u>	<u>Reason</u>	<u>No.</u>
Nibco	5265	Low Bulk Density	1 H/T

D. RVCM of In-Process Samples

The following is a summary of residual VCM results on in-process samples. None of the reactor daily averages exceeded 400 ppm RVCM during the month of October, 1992.

	<u>Reactor</u> <u>Slurries</u>	<u>Dryer</u>	
		<u>5265</u>	<u>5305</u>
Number of Samples	902	40	64
Average RVCM, ppm	58	0.258	0.115

LABORATORY - Continued

E. RVCM of Shipment Samples

The following is a summary of the residual VCM analysis of shipment samples for the month of October, 1992.

<u>Product</u>	<u>Number of Samples</u>	<u>Average RVCM, ppm</u>
5225	0	0
5265	71	0.137
5305	113	0.054
5325	14	0.105
5385	61	0.111
5395	1	0.045
5415	75	0.033
5416	8	0.067
5465	0	
Debox	16	0.097
Pond	12	0.680

F. Flexible Compound Quality Summary

	<u>Adjustments</u>		<u>Rejections</u>	
	<u>M Lbs.</u>	<u>\$</u>	<u>M Lbs. (\$)</u>	
Hardness	49.0	<0.75>	----	-----
Color	43.0	<0.65>	22.8	<0.35>
Hard Particles	-----	-----	3.2	<0.05>
Contamination	-----	-----	1.6	<0.02>
Dispersion	-----	-----	1.5	<0.02>
Dicing	-----	-----	7.6	<0.12>
Cross Contamination	-----	-----	4.8	<0.07>
Mischarge	-----	-----	42.8	<0.65>
Metal	-----	-----	10.5	<0.16>
METS-IR	-----	-----	12.0	<0.18>
Totals	92.0	<1.40>	106.8	<1.62>

October 1992

<u>Resin Process Capabilities</u>	<u>(based on dryer "regulars")</u>					
	5265	5305	5325	5385	5415	5416
Bulk Density	0.95	1.33	0.32	2.33	1.16	0.24
Inherent Viscosity	0.54	1.67	0.78	0.93	0.63	0.77
(vs. 0.64 -0.67)	0					
(vs. 0.715-0.744)		1.58				
"L" Color	5.00	2.53	8.00	2.83	4.33	6.00
"a" Color	8.33	9.00	9.00			
"b" Color	2.83	3.00	1.58	2.00	2.50	1.56
% on Pan	0.52	2.13	2.20	1.43	3.89	1.17
(vs. 2% max.)					0.56	
% thru 140	0.32	1.02		1.41	2.88	0.31
Hard Particles, Average						
5 minutes				10	4	3
7 minutes				2	1	1
METS IR					2.87	0.20
(vs. 95% of Control)					1.63	0.07
Average Particle Size,						
Microns	132	144	146	152	171	132

**SAMPLE SHIPMENTS
OCTOBER 1992**

RESIN

Ship Date	Product	Amount	Customer	Ship Mode
10/01/92	5225	15 lbs.	PVC Containers	UPS
10/02/92	5415	50 lbs.	SKY-FORT (Mexico)	Airborne
10/08/92	5225	5 lbs.	OATEY Co.	UPS
10/16/92	5265	5 lbs.	Compro Ind. Inc.	UPS
10/16/92	5225	1 lb.	Lancer Dispersions	UPS
10/16/92	5385	50 lbs.	DuPont	UPS
10/26/92	5415	5 lbs.	Canadian General Tower	Airborne
10/30/92	5225	100 lbs.	Kappus Plastics	UPS

COMPOUND

Ship Date	Product	Amount	Customer	Ship Mode
10/01/92	54331 CB 50	50 lbs.	Terhorst Mfg. Co.	UPS
10/02/92	35852 NAT	300 lbs.	GENCA	CC
10/06/92	35852 NAT 34431 NAT	50 lbs. 50 lbs.	Vista R&D - Austin	UPS
10/13/92	462-121B1 BLK	1500 lbs.	Guardian Automotive Products	CC
10/16/92	462-121B1 BLK	50 lbs.	Delux Die Mold	UPS Air
10/20/92	PLENEX 1250	400 lbs.	Tandy Wire & Cable Co.	CC
10/26/92	57121 WC 327	100 lbs.	Modified Tubulal	UPS
10/28/92	34862 GRY 581 OG	50 lbs.	REKO Co.	Airborne
10/30/92	PLENEX 1275 NAT 0	10 lbs.	Northern Telecom	Airborne

SAMPLE SHIPMENTS
OCTOBER 1992

Page 2

DRYBLEND

Ship Date	Product	Amount	Customer	Ship Mode
10/16/92	RP-421/RP-442	50 lbs.	H. Heller	UPS

PLAST.

Ship Date	Product	Amount	Customer	Ship Mode
10/07/92	610P	8 X 55 gal.	Conex of Georgia	CC

ABERDEEN CHEMICAL PLANT INJURIES (Twelve Month Running Totals)

