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To: T. H. Huffman

From: D. C. Skokna
Date: September 23, 1992

Interoffice
Communication

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

VISTA

Safety

There were four first aid cases reported during August. At month end, the plant's employees had worked 4806 days (6,446,865 employee hours) since the last lost time injury.

<u>FY1992 Key Statistical Information</u>	<u>August</u>	<u>Y.T.D.</u>
PVC Production, MM Lbs.	39.5	407.8
Reactor Stream Factor, %	91.7	86.7
Resin Quality, % Prime	98.7	97.2
VCM Efficiency, Lbs./Lb.	1.0225	1.0341
Flexible Compound Production, MM Lbs.	7.2	61.0
Flexible Compound Quality, % Prime	97.2	96.7
Rigid Compound Production, MM Lbs.	1.5	21.2
Rigid Compound Quality, % Prime	97.4	97.5
Plasticizer Production, MM Lbs.	1.8	16.4
Plasticizer Quality, % Prime	88.2	81.6
Energy Use, (EUI, %)	< 4.9>	< 12.6>
Fixed Cost Variance, \$M	192.0	<404.9>
Variable Cost Efficiency Variance, \$M	< 45.6>	<622.6>

Costs

Variable costs were above budget in the resin unit with near budget performance in the other units.

Fixed costs were favorable primarily due to correcting accrual errors that were made in July.

Operations

Annual inspections and rupture disk changeouts were done on reactors D744 and D745.

Production was very good in the flexible compound unit. Inventories increased during the month. Rigid compound production was low. Plans are set to shut down the dry blend unit near the end of September.

T. H. Huffman

09/23/92

Aberdeen Monthly Progress Report - August, 1992

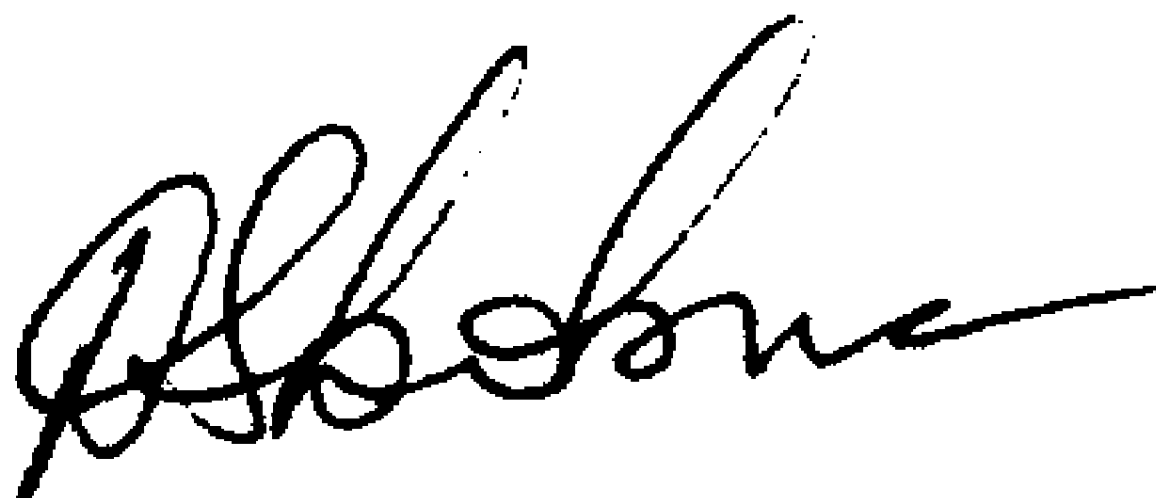
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OMP

- Cerro Wire and Cable (a resin and compound customer) visited and toured the plant. Discussions focused on ways they could improve their compound production.
- The Vinyl "A" Shift Natural Team presented a project to improve access to blend tank valves during the winter.

Environmental

We met with MDEQ to discuss our work plan to collect data for the James Creek flow modelling project. MDEQ made some comments and they will be incorporated into the data collection plan. Data collection began in early September.



D. C. Skokna
Plant Superintendent

rah

SAFETY - B. L. Trego

	<u>Aug.</u>	<u>Fiscal</u> <u>Y.T.D. 1992</u>	<u>Fiscal</u> <u>Y.T.D. 1991</u>
First Aid	4	19	16
OSHA Recordable	<u>0</u>	<u>4</u>	<u>7</u>
Total Injuries	4	23	23
Number of Restricted Workday Cases	0	2	4
Number of Lost Workday Cases	0	0	0

Injuries by Department

Vinyl Operations	0	4	4
Compound Operations	1	8	7
Maintenance	3	10	10
Laboratory	0	0	0
Receiving/Warehouse	0	0	0
Office	<u>0</u>	<u>1</u>	<u>2</u>
Totals	4	23	23

Injuries by Type

Cuts and Abrasions	3	13	9
Eye Injuries	0	0	1
Burns	0	4	4
Bruises	0	1	3
Strains/Sprains	0	3	3
Stings	0	1	0
Other	<u>1</u>	<u>1</u>	<u>3</u>
Totals	4	23	23

Non-Occupational Injuries

Lost Workday Cases	0	8	6
Days Lost	3	49	127

Contractor Injuries

First Aid Cases	0	4	4
Medical Treatment Cases	0	0	1
Lost Workday Cases	0	0	1

Safety Record

Last lost time injury - 7/5/79
 Days since - 4,806
 Employee hours since - 6,446,865

On August 31, 1992, the employees of the Aberdeen plant completed 4,806 days with no lost time injury.

SAFETY - Continued

Topics for the plant safety meetings during the month included "Lockout/Tagout Training" and "Safe Work Permit Training".

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	74	100.0	0	0
Lead	6	100.0	0	0
Total Particulates	1	100.0	0	0

Monthly Injury Summary

<u>Injury Class</u>	<u>Department</u>	<u>Description</u>
FA	Compound	Abrasion of right thumb.
FA	Maintenance	Abrasion of left elbow and contusion of left hip.
FA	Maintenance	Puncture of left palm.
FA	Maintenance	Irritation of right forearm (contacted AMS).

Emergency Drills

There were no emergency drills conducted during August.

QUALITY MANAGEMENT PROCESS - E. E. Smith

All natural teams continue to meet. Most are preparing team project presentations to management.

The Plant Manager's Natural Team and the Synergy Team brainstormed solutions to previously identified QMP barriers.

The Vinyl "A" Shift Natural Team recommended electric tracing on some transfer lines to improve safe access to blend tank valves during the winter. In the past, winterization shelters have made valve access difficult.

Cerro Wire and Cable visited the Aberdeen Plant on August 19. They received a resin and compound tour. They were looking at ways to improve their compounding operation.

COST VARIANCES - D. C. Skokna

Variable Costs

<u>Product</u>	<u>Aug., 1992 Variance, \$M</u>		
	<u>Efficiency</u>	<u>Price</u>	<u>Total</u>
PVC	<\$44.2>	<\$506.0>	<\$550.2>
Flexible Compound	< 11.2>	< 69.7>	< 80.9>
Rigid Compound	1.0	< 18.1>	< 17.1>
Plasticizer	8.8	< 37.8>	< 29.0>
Total	<\$45.6>	<\$631.6>	<\$677.2>

PVC

Raw material use for all PVC (prime and non-prime) was slightly above budget for the month.

Flexible Compound, Rigid Compound, and Plasticizer

These units operated close to budget.

Major Price Variances:

	<u>Variance - \$M</u>
■ VCM	<\$478.6>
■ Natural Gas	< 52.8>
■ Alcohol ^R Alcohols	< 46.1>
■ Plasticizers	< 34.9>
■ Resin to Flexible Compound	< 34.1>
■ Off-Grade Resin Credit	< 11.6>
■ Resin to Flexible Compound	< 11.0>
■ Micral 932	12.6
■ Electricity	24.1
■ Other Price Variances	0.8
Total	<\$631.6>

Fixed Cost Variances

	<u>Variance - \$M</u>
■ Payroll and Benefits	\$ 25.8
■ MM&C	84.7
■ Miscellaneous	55.5
■ TI&D	4.8
■ Clearances	21.2
Total	\$192.0

Payroll & Benefits

Hourly payroll and benefits were both favorable; salaried payroll was above budget.

MM&C

The favorable variance is due to correcting an \$85M accrual error made in July.

VAB.0001189144

COST VARIANCES - Continued

Miscellaneous

- Assigned Vehicles: \$68.1M - This corrects a July accrual error.
- Moving Home Assistance: \$12.6M
- Operating Supplies: \$16.2M
- Shipping Costs: <\$22.8M> - Delayed processing of a prior period invoice overstated the actual August costs.

Clearances

This favorable variance is due to a credit for the Pond 2 cleanout project.

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

Safety

The Vinyl Department had no injuries in August.

The monthly safety meetings were held on shift. A meeting with all supervisors was held to review revisions to the lockout/tagout procedure implemented last month.

General

1. Annual inspections and rupture disk changeouts were completed on reactors D-745 and D-744. The New Module inspections were completed in August.
2. D-400's recovery line was replaced from the valve to the condenser. The line developed a leak due to corrosion. All other recovery lines were inspected and reactors needing recovery line replacement were scheduled down. Reactors D-500 and D-600 were completed in August and D-742 was completed in early September.

	<u>August</u>	<u>YTD</u>
- Production, MM Lbs.	39.5	407.8
- Daily Rate, M Lbs./C.D.	1274.1	1213.7
- Capacity Utilization Factor, %	96.2	91.6
- Total Reactor Charges	947.0	9741.0
- Charges/C.D.	30.5	29.0
- Reactor Stream Factor, %	91.7	86.7
- Rotary Dryer Stream Factor (#4-#8), %	93.0	91.3
- Fluid Bed Dryer Stream Factor, %	97.2	91.0
- Resin Quality, % Prime	98.7	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).	385.0
■ Maintenance downtime (D-745 annual inspection and condenser cleaning, D-400 recovery line, D-744 annual inspection, D-745 VCM charge valves, incinerator work, fluid bed dryer for cleaning, D-743 agitator gearbox and motor, D-600 recovery line, D-500 agitator PM, D-500 recovery line, D-300 evacuation valve, D-741 steam valve, D-500 suspending agent ram valve, D-300 catalyst pot disks, and RVCN charge meter New Module).	233.0

VINYL - Continued

<u>Dryer Time</u>	<u>% of Total Downtime</u>
■ Operational downtime (centrifuge plugs, dryer cleaning, flameouts).	35.5
■ Maintenance downtime (activator problems, centrifuge repair).	2.8
■ Reactor limited production.	61.7

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

- Reactor 744 was prepared for annual rupture disc and die check. Relief valves were sent out for reconditioning.
- The Old Unit cooling tower, 4B gearbox seal on the input shaft, coupling, and grommets were all replaced. The tower has been experiencing some vibration due to the deck sagging.
- Recovery compressor "B" was pulled out of service and rebuilt for a spare.
- Emission recovery system compressor 706 was pulled out of service and rebuilt.
- Reactor gearbox 743 coupling was changed and the unit realigned after rough vibration was detected on bi-weekly vibration checks.
- The demister pads on the fluid bed dryer were changed, and a temporary patch put on the ductwork.
- Reactor 745 was prepared for hydroblasting. The gearbox was pm'd while the reactor was down.
- Five major valves were changed in the Vinyl area.
- Recovery lines that showed severe corrosion on reactors 400, 500, 600 and 742 were replaced.
- Critical instrumentation P.M. was completed on the west and east incinerators, and reactors 744 and 500.
- Boiler blowdown piping was completed.
- Air compressor #6 was rebuilt and is now on line.
- Boiler feedwater pump #5 had severe vibration in pump and motor. Both were rebuilt, aligned and placed back into service.

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

Safety

The Compound Department had one first aid injury during the month. A Compounder received an abrasion to his thumb.

General

Orders were down slightly on Line I and Line III during the month. Production for the month was up 300M pounds from last month. This increase can be attributed to a continued decrease in downtime and more efficient scheduling. Efforts are still being made to move two products to Line V to relieve congestion on Lines I and III. At this time, we have received approval to move one product to Line V. The second product has been shipped and we are awaiting approval from the customer.

<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	2202	71	18413
Line III	31	4400	142	37711
Line V	15	552	37	4899
Total		7154	250	61023
% Prime		97.20		96.68
Capacity Utilization Factor		96.12		72.22

Downtime

Hours

Line I

- Product Changes	91
- One Dicer Offline	17
- Miscellaneous Maintenance	29
- Quality	15

Line III

- Product Changes	43
- Miscellaneous Maintenance	55
- Quality	5

Line V

- Product Changes	46
- Quality	3
- Miscellaneous Maintenance	5
- Coverage for Other Lines	60

COMPOUND - Continued

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Rigid Compound	18	1456	81	21171
% Prime		97.40		97.54
Capacity Utilization Factor		28.96		37.19

Downtime**Hours**

- Product Changes	38
- Miscellaneous Maintenance	24
- Quality	32

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Plasticizer	31	1845	60	16391
% Prime		88.20		81.63
Capacity Utilization Factor		95.16		63.89

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

- Line I "A" blender gearbox was replaced. The old gearbox was rebuilt for a spare.
- Line III auger for the bulk lead system was replaced. The old auger will be repaired for a spare.
- Line V Welex starter had bad contacts and was replaced.
- Line III front and back mill motors were repaired. Both motors had worn bearings.

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

PROJECTS IN DEVELOPMENT - GENERAL

Water Plant

Equipment checkout is nearly complete and operator training is continuing. Filter media installation is also complete. A DOE jar test to determine water plant chemical addition levels is in progress. Startup is scheduled for the third week in September.

New Boiler

An unallocated AFE for \$450M was submitted to Houston. These funds will allow fabrication of a new boiler to begin immediately. An 80,000 lb./hr. boiler was recommended as the size that would give the plant the best flexibility and efficiency.

Flame Arrestor Lid

A new lid, with a higher pressure rating, was installed on the incinerator flame arrestor. A pressure transmitter and a feed block valve were also installed to protect the arrestor from over pressure. Startup is complete and the system was turned over to Operations.

Plasticizer Expansion

An estimate of the Stripper Class "A" design is expected within the week. Equipment relocation issues have been resolved.

A Class "A" design of storage and transfer facilities for the stripper will be issued in early September. The Class "A" design will cover the capacity of the existing facilities and additional capacity gained by adding the steam stripping column. A model of our plasticizer production was developed to predict how VRP and RAE handling affect final annual capacity.

Operations ended the wastewater test run July 28 after having a truck of 610P rejected for cloudiness. Loadings to ponds 3 and 4 have increased over the test run, but remained below expected levels. COD samples were taken around P-1 and downstream of the API to evaluate the contribution of the dribble tank, T-470, to overall loadings. Sampling will continue through mid-September to evaluate loadings as operating conditions return to normal.

Centrate Pool Depth Tests

Sample ports are being installed on all centrate basins to determine if considerably higher concentrations of resin in centrate water will occur with lower pool depth. A test run on all centrifuges will be done once the sample ports are in place.

ENGINEERING - Continued**VCM Compressor Upgrade**

Construction for upgrading the compressors and installation of safety equipment are in progress. Construction completion is targeted for the end of September. Operating procedures have been completed and training will begin as soon as possible.

OSHA Process Safety

The following policies have been approved by plant management: Management of Change Procedure, Operating Procedure Development and Control Plan, Pre-Startup Safety Review and Process Safety Information Development Plan.

Management of Change and Pre-Startup Safety Review training for all supervisors and engineers was completed. Management of Change and Pre-Startup Safety Review were implemented plant-wide on August 26. The new system is proceeding smoothly so far.

Bids were received for P&ID development.

Wastewater

A plant water balance was completed and issued this month. Currently, we are still identifying ways to reduce water use.

The Class "A" design for a new diffused air aeration system to pond 3 is complete and is in review.

The regulatory relief work has led to a meeting with the State and a stream survey for James Creek is being conducted. The oxidation test results were not positive and this has been dropped. Pond 6 water is being tested for characteristics to determine if it can be recycled.

ABERDEEN CHEMICAL PLANT

MONTHLY PROGRESS REPORT

CAPITAL EXPENDITURE STATUS

M.L. CARTER
AUGUST REPORT

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

July-August	<u>ACTUAL</u>	<u>BUDGET</u>	<u>VARIANCE</u>	
			<u>M\$</u>	<u>%</u>
Month	251.5	287.0	- 55.6	-12.3%
4th Qtr.	251.5	479.0	- 227.5	-47.4%
YTD	3106.1	3841.0	- 734.9	-19.1%

Actual Expenditures - The General Ledger for August indicates a large negative actual expenditure for the month. The General Ledger was overstated in July due to the VMS not accepting actual expenditures for July and posted accruals. Houston has indicated that the problem has been rectified in the August General Ledger. The plant has therefore added expenditures in July to those in August to report an actual expenditure of \$251.5M for the July-August months (shown above). Expenditures for July-August were \$ 55.6M less than the plant's budgeted expenditure forecast approved in the Fourth Quarter Budget submitted in June FY92.

July-August FY92 capital expenditures were 12.3% less than the plant's budgeted expenditure forecast. 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 - The submitted 4th Quarter Capital Budget calls for expenditures of \$479.0M and September expenditures of \$192.0M.

ENVIRONMENTAL - K. G. Akins**Water**

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

We met with the MDEQ in August to discuss the work plan for data collection for James Creek flow modelling. Comments by MDEQ were incorporated into the work plan. Data collection will begin in early September.

Air Permit

The MDEQ air division informed us that little or no activity is taking place on air permit renewals. They are working on new source reviews only. They are allowing companies to run on expired permits. We believe the MDEQ will not take any action on our permit application that was submitted September, 1990.

Waste

Waste shipments during the month included:

- A bulk shipment of waste oil to Fisher Industrial Service in Gadsden, AL.

ENERGY CONSERVATION - J. A. Bodron

Aug., 1992

Fiscal Y.T.D.

I. Energy Conservation Data

A. Unadjusted EUI	< 4.8%>	< 13.5%>
B. Adjusted EUI	< 4.9%>	< 12.6%>
C. BTU/Lb. Product	2694.0	2915.0
D. Total Energy Consumption MMM BTU	134.8	1476.4

II. Boiler Operation

<u>Boiler</u>	<u>Combustion Efficiency %</u>	
	<u>Aug., 1992</u>	<u>Fiscal Y.T.D.</u>
No. 1	83.3%	83.4%
No. 2	84.6%	83.5%
No. 3	85.0%	83.3%

HUMAN RESOURCE REPORT

AUGUST, 1992

PERSONNEL - J. E. Beall

EMPLOYMENT

Keith Bailey - Engineering Department - New hire Co-op Student.

Thaer Abudiab - Engineering Department - Rehired Co-op Student.

Allen Bodron - Engineering Department - New hire Chemical Engineer (removed from Educational Leave of Absence).

PROMOTIONS/TRANSFERS

None.

RETIREMENTS

None.

TERMINATIONS/RESIGNATIONS

Berlin Genetti - Engineering Department - Co-op Student returning to school.

Dwight McComb - Engineering Department - Co-op Student returning to school.

Holli Harris - Engineering Department - Co-op Student returning to school.

TO/FROM LEAVE OF ABSENCE

R. Danny Flipppo - Vinyl Department - Vinyl Lead Operator - Union Leave of Absence.

Holli Harris - Engineering Department - Co-op Student placed on Educational Leave of Absence.

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9/01/92

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

Department	Overtime		Paid Absences					Long-term Disability		Total Abs % of S/T	Vacation
	Total S/T Hr	Total Hour	% of S/T	Holiday Worked Hr	Holiday hr Not worked	Non Paid Hours	Absence % of S/T	Jury Duty	National Guard	Death in Family	
YARD	10463.25	1102.00	13.86	348.25	580.00	120.50	1.15	12.00	0.00	72.00	1704
GENERAL HELPERS	76.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
UTILITY	5825.50	703.25	15.16	180.00	308.00	12.00	.21	0.00	0.00	24.00	988
MAINTENANCE	37066.50	4068.25	11.29	117.25	1720.00	755.75	2.04	280.00	80.00	400.00	8816
QC LAB	21327.00	1611.75	10.09	540.00	1076.00	370.00	1.73	36.00	384.00	162.00	3700
JANITORS	2393.25	65.50	2.95	5.00	112.00	14.75	.62	16.00	0.00	0.00	464
WAREHOUSE	8483.25	1147.00	13.59	6.00	392.00	43.00	.51	0.00	0.00	92.00	1368
STORES	2423.50	58.25	2.40	0.00	112.00	42.25	1.74	0.00	0.00	0.00	496
DEVELOPMENT LAB	6428.75	467.75	9.36	134.00	280.00	17.00	.26	0.00	0.00	0.00	592
DRY BLEND	7053.50	614.00	11.26	180.00	360.00	63.25	.90	0.00	168.00	0.00	904
COMPOUND	44750.50	5859.00	16.32	1442.25	2292.00	526.78	1.18	60.00	180.00	348.00	6400
VINYL	45261.25	8055.25	21.08	1488.00	2316.00	2667.50	5.89	132.00	240.00	192.00	6632
PLASTICIZER	5640.00	792.50	15.81	99.00	328.00	176.75	3.13	0.00	0.00	24.00	1668
Total Plant =====>	197192.25	24544.50	14.75	4539.75	9896.00	4809.53	2.44	536.00	1052.00	1314.00	33732

Pay Period ending August 30, 1992

01/06/92 - 08/30/92

VAB.0001189156

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9/01/92

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

Department	Overtime		Paid Absences					Long-term Disability		Total Abs % of S/T		Vacation
	Total S/T Hr	Total Hour	% of S/T	Holiday Worked Hr	Holiday hr Not worked	Non Paid Hours	Absence % of S/T	Jury Duty	National Guard	Death in Family		
YARD	1560.00	123.00	7.88	0.00	0.00	0.00	0.00	12.00	0.00	0.00	.77	108
UTILITY	931.00	144.25	15.49	0.00	0.00	9.00	.97	0.00	0.00	24.00	3.54	100
MAINTENANCE	5650.25	531.50	9.41	0.00	0.00	66.50	1.18	8.00	80.00	0.00	4.15	328
QC LAB	3052.50	227.25	7.44	0.00	0.00	31.50	1.03	0.00	0.00	0.00	1.03	304
JANITORS	392.00	1.75	.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8
WAREHOUSE	1142.50	167.75	14.68	0.00	0.00	1.50	.13	0.00	0.00	0.00	.13	256
STORES	384.00	3.50	.91	0.00	0.00	16.00	4.17	0.00	0.00	0.00	4.17	0
DEVELOPMENT LAB	964.50	79.25	8.22	0.00	0.00	3.50	.36	0.00	0.00	0.00	.36	32
DRY BLEND	636.00	14.00	2.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
COMPOUND	6628.50	788.25	11.89	0.00	0.00	39.50	.60	12.00	0.00	12.00	6.03	456
VINYL	6715.25	955.25	14.23	0.00	0.00	72.50	1.08	0.00	0.00	0.00	4.83	596
PLASTICIZER	764.00	119.00	15.58	0.00	0.00	0.00	0.00	0.00	0.00	24.00	29.84	52
Total Plant =====>	28820.50	3154.75	10.95	0.00	0.00	240.00	.83	32.00	80.00	60.00	4.46	2240

Pay Period ending August 30, 1992

7/27/92 - 8/30/92

ABERDEEN PLANT**MONTHLY PERSONNEL REPORT****AUGUST, 1992**

<u>EMPLOYMENT</u>		<u>NEW HIRES</u>		<u>MO</u>	<u>FYD</u>
Salaried	81	Salaried/Transfer		1	13
Hourly	156	Hourly		0	0
Temporary	2	Temporary		0	4
SUB TOTAL	239	TOTAL		1	17
L.O.A.	2				
TOTAL	241				

DEPARTMENTS	#EMPLOYEES	M	F	%M	%F	DEPARTMENT		ANN. %
						TURNOVER	MO. FYD	
WAREHOUSE	15	9	0	60%	0	0	0	0
GENERAL PLANT	10	5	0	50%	0	0	2	21.8%
MAINTENANCE	36	8	0	22.2%	0	0	3	6.1%
LABORATORY	22	4	1	18.2%	4.5%	0	1	5.0%
COMPOUND	36	24	1	66.7%	2.8%	0	2	6.1%
VINYL	32	11	2	34.4%	6.3%	0	2	6.8%
PLASTICIZER	5	2	0	40%	0	0	0	0
SUB TOTAL	156	63	4	40.4%	2.6%			
SALARIED	81	6	19	7.4%	23.5%			

<u>APPLICATIONS</u>	<u>No.</u>	<u>%</u>	<u>PLANT TURNOVER</u>	<u>No</u>	<u>%</u>
Month	0	0	Hourly Month	0	0
FYD	0	0	FYD	6	4.2%
Minority	0	0	Salaried Month	0	0
Female	0	0	FYD	5	6.7%

ADMINISTRATIVE SERVICES - D. A. Barclay

Safety

There were no reportable safety instances this month.

Quality

All teams met during August to review progress on their projects.

Futures

	<u>MTD</u> <u>Gain/(Loss)</u>	<u>YTD</u> <u>Gain/(Loss)</u>
Natural Gas	\$0	<\$34,092.64>

Statistics

<u>Processed</u>	<u>Month</u>	<u>FY92</u> <u>Y.T.D.</u>
Processed Invoices	1,010	11,723
Working Fund Checks Written	9	174
Cost Savings Through Bid Process	\$2,666.11	\$33,557.11
Raw Material Purchase Orders Issued	83	1078
MRO/AFE Purchase Orders Issued	178	2079
Spare Parts Purchase Orders Issued	196	2113

Packaged Finished Goods Ending Inventory

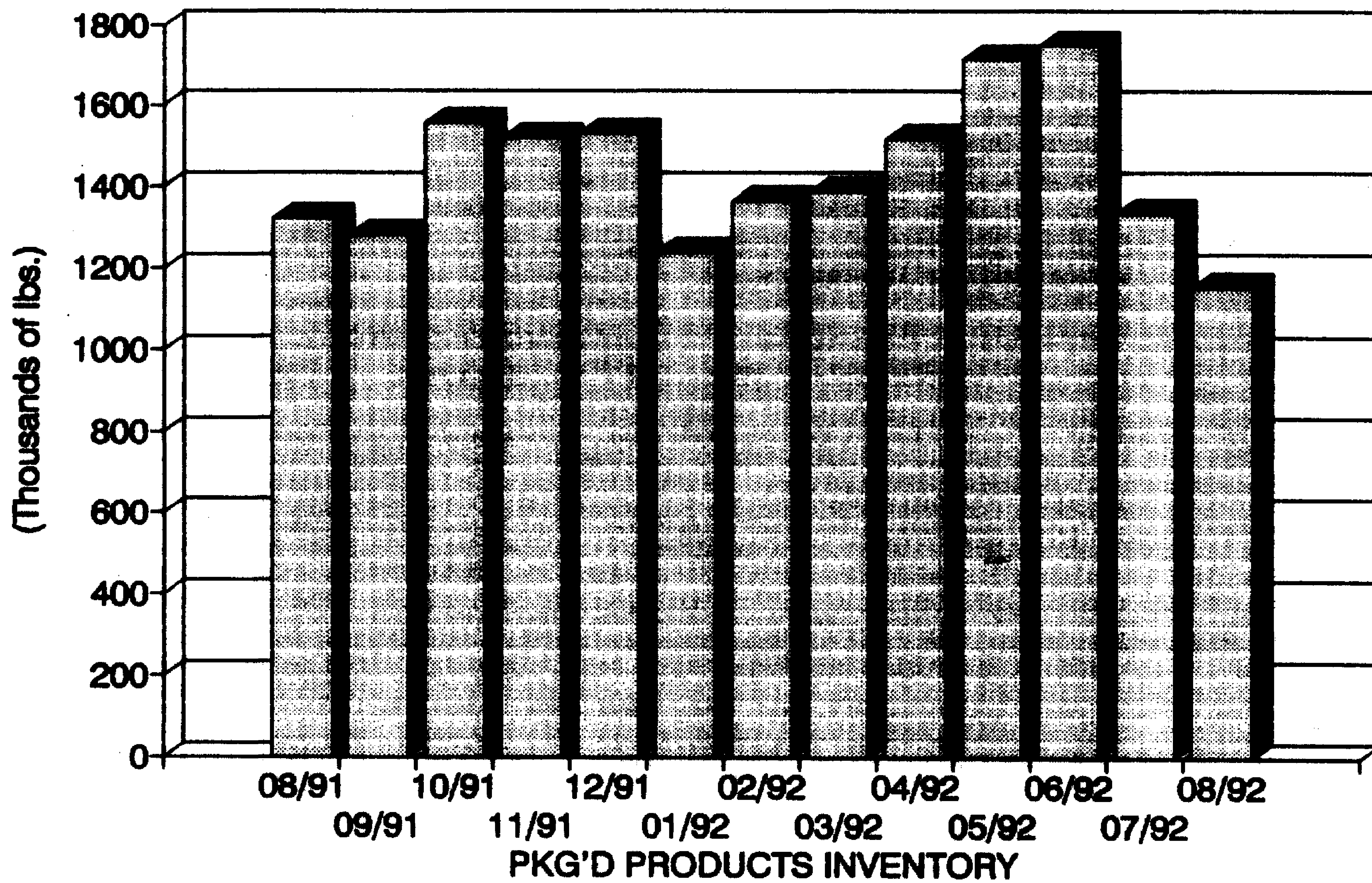
	<u>July. '92</u>	<u>Aug.. '92</u>	<u>(Decrease)</u> <u>/Increase</u>	<u>%</u> <u>Change</u>
Compound "A" Grade	3,757,133	3,995,394	238,261	6.34
PLENEX	139,263	144,706	5,443	3.91
Compound Off-Grade (BC)	402,946	312,000	< 90,946>	<22.57>
Compound Off-Grade (H)	107,117	63,607	< 43,510>	<40.62>
Millscrap	155,418	84,469	< 70,949>	<45.65>
Dry Blend "A" Grade	607,206	632,625	25,419	4.19
Dry Blend Offgrade	278,130	261,850	< 16,280>	< 5.85>
Resin Type I	950,750	1,222,700	271,950	28.60
Resin Type "BC"	100	100	0	0
Vacuum Dust	192,058	242,701	50,643	26.37
Total Packaged W/house	6,590,121	6,960,152	370,031	5.61

Bulk Finished Goods Ending Inventory

	<u>July. '92</u>	<u>Aug.. '92</u>	<u>(Decrease)</u> <u>/Increase</u>	<u>%</u> <u>Change</u>
Compound "A" Grade	448,765	858,815	410,050	91.37
Compound Offgrade	0	0	0	0.00
Rigid "A" Grade	1,321,300	876,709	< 444,591>	<33.65>
Rigid Offgrade	269,870	56,050	< 213,820>	<79.23>
Resin Type I	9,605,310	8,280,950	<1,324,360>	<13.79>
Resin Offgrade	1,400,551	924,750	< 475,801>	<33.97>
Total	13,045,796	10,997,274	<2,048,522>	<15.70>

FLEXIBLE & RIGID OFF-GRADE

AUGUST '91 THRU AUGUST '92



ABERDEEN CHEMICAL PLANT
SHIPPING ANALYSIS
AUGUST 1992

09:33 AM
09-Sep-92

-SHIPMENTS BY PRODUCTS-	MONTH			YTD		
	PUBLIC	IPT/ITC	EXCH/TOLL	PUBLIC	IPT/ITC	EXCH/TOLL
RESIN-BULK	14,206,180	20,665,250	0	194,937,209	196,984,760	0
RESIN-PACKAGED	675,741	308,200	0	5,805,246	3,556,900	0
FLEXIBLE COMPOUND-BULK	656,000	3,068,330	0	5,341,920	23,509,490	0
FLEXIBLE COMPOUND-PACKAGED	2,967,524	99,761	0	33,333,743	434,342	0
NEW BUSINESS	26,091	1,981	0	181,880	1,981	0
RIGID COMPOUND-BULK	921,750	426,600	0	12,120,610	5,959,650	0
RIGID COMPOUND-PACKAGED	296,605	495,874	0	4,621,962	677,724	0
RIGID COMPOUND-PELLETS	0	0	0	0	0	0
TOLLING - BULK	0	0	0	0	0	0
TOLLING - PACKAGED	0	0	0	0	0	0
PLASTICIZER	0	1,050,720	0	165,060	6,657,380	917,400
TOTAL	19,749,891	26,116,716	0	256,507,630	237,782,227	917,400

-SHIPMENTS BY MODE-
BULK:

	RAILCAR	CUSTOMER PICKUP	COMMON CARRIER	TOTAL
AUGUST				
RESIN	177	19	42	238
FLEXIBLE COMPOUND	16	0	18	34
RIGID COMPOUND	6	0	14	20
PLASTICIZER	5	0	5	10
TOTAL AUGUST	204	19	79	302
YTD				
RESIN	1,841	145	381	2,367
FLEXIBLE COMPOUND	134	0	132	266
RIGID COMPOUND	76	18	126	220
PLASTICIZER	39	0	21	60
TOTAL YTD	2,090	163	660	2,913

PACKAGED:

	CUSTOMER PICKUP	COMMON CARRIER	TOFC	AIR/UPS	AIR/UPS	TOTAL
AUGUST						
RESIN	5	24	0	0	2	31
FLEXIBLE COMPOUND	19	78	0	0	0	97
RIGID COMPOUND	4	19	0	0	0	23
PLASTICIZER	0	0	0	0	0	0
TOTAL AUGUST	28	121	0	0	2	151
YTD						
RESIN	34	265	0	0	7	306
FLEXIBLE COMPOUND	211	914	0	0	23	1,148
RIGID COMPOUND	23	139	0	0	1	163
PLASTICIZER	0	0	0	0	0	0
TOTAL YTD	268	1,318	0	0	31	1,617

CC: DAB,TLC,MAS,AEV,JRF

VAB.0001189161

09/03/92

EN CHEMICAL PLANT
PRODUCT RETURNS
AUGUST 1992

DATE	CUSTOMER	LOCATION	PRODUCT	RESOURCE	DESCRIPTION	BLEND #	CONT.	LBS	CR #	SHIPPED	ORDER #	INVOICE #	DISPOSITION/REMARKS
08/10/92	ABITIBI-PRICE	IN, MIDDLEBURY	DB	16640	715-27C WHT	42V22	DRUMS	411	02110	07/30/92	0014273-000		ORDER ENTERED FOR WRONG PROD.
08/10/92	ABITIBI-PRICE	IN, MIDDLEBURY	DB	16641	715-27B WHT	42V22	DRUMS	396	02110	07/30/92	0014273-000		ORDER ENTERED FOR WRONG PROD.
08/10/92	ABITIBI-PRICE	IN, MIDDLEBURY	DB	16637	715-27F WHT	42V23	DRUMS	369	02110	07/30/92	0014273-000		ORDER ENTERED FOR WRONG PROD.
08/10/92	ABITIBI-PRICE	IN, MIDDLEBURY	DB	16642	715-27A WHT	42V22	BOXES	1,048	02110	07/30/92	0014273-000		ORDER ENTERED FOR WRONG PROD.
08/10/92	ABITIBI-PRICE	IN, MIDDLEBURY	DB	16638	715-27E WHT	42V23	DRUMS	492	02110	07/30/92	0014273-000		ORDER ENTERED FOR WRONG PROD.
08/10/92	ABITIBI-PRICE	IN, MIDDLEBURY	DB	16639	715-27D WHT	42V23	DRUMS	372	02110	07/30/92	0014273-000		ORDER ENTERED FOR WRONG PROD.
							Sum	3,018					
08/03/92	FLEXIBLE TECH	SC, ABBEVILLE	CHPO	13887	58031 VTCLR328	12V22	BOXES	945	02106	06/24/92	0011483-002		CONTAMINATION
08/03/92	FLEXIBLE TECH	SC, ABBEVILLE	CHPO	13887	58031 VTCLR328	12V02	BOXES	769	02106	06/24/92	0011483-002		CONTAMINATION
08/03/92	FLEXIBLE TECH	SC, ABBEVILLE	CHPO	16529	46801 BLK02	32V07	BOXES	3,020	02106	06/07/92	0012024-000		HARD PARTICLES
							Sum	4,734					
08/04/92	H. HELLER & CO.	GA, SOCIAL CIRCLE	RESIN	10807	POND	ACFX52783	BULK	131,050	02060	05/11/92	0010887-000		CUST UNABLE TO USE PRODUCT
							Sum	131,050					
08/21/92	PREMIERE POLYMERS	KY, JEFFERSONTOWN	CHPO	13453	PLENEX 350 JCKT	12S06	BOXES	1,180	02113	03/18/92	0008581-000		SHIPPED WRONG PRODUCT
							Sum	1,180					
08/04/92	SUNBEAM-NECO	MS, BAY SPRINGS	CHPO	16589	39014 WHT380	12T21	BOXES	2,068	02108	06/09/92	0012268-000		FORMULATION PROBLEMS
							Sum	2,068					
08/03/92	TANDY W&C	TX, FT. WORTH	CHPO	16558	34711 MAT	12T29	BOXES	1,485	02107	05/06/92	0009694-000		HARD PARTICLES
08/03/92	TANDY W&C	TX, FT. WORTH	CHPO	16561	57121 PH-104	12U05	BOXES	3,279	02107	05/06/92	0010132-000		PINK OFF-COLOR
08/03/92	TANDY W&C	TX, FT. WORTH	CHPO	16558	34711 MAT	12T29	BOXES	1,990	02107	06/01/92	0011275-000		HARD PARTICLES
							Sum	6,754					
08/06/92	WEXFORD-NORMAN TKING MS,	HOUSTON	DB	13485	OG DB OVERS		BOXES	42,587	02109	01/31/92	0005734-000		METAL IN BOXES
							Sum	42,587					
							Sum	191,391					

VAB.0001189162

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

A. Safety

There were no safety incidents in the Laboratory during August.

B. Customer Contacts

Jim Edwards, Amy Bagwell and Terry Edwards went to Intex in Corinth, MS to offer training in resin testing.

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

8/03 Abitibi. Middlebury. IN

The customer complained that the wrong sample being shipped to them for evaluation.

8/04 Kappus Plastics. Hampton. NJ

The customer complained of 5465 contamination in 5265 bagged resin. The problem was caught during blown film testing of the 5265. The contamination occurred in the bagging process.

8/08 AT&T. Omaha. NE

The customer complained of abnormal screen change frequencies using 34862 Gray 546 compound. Analytical tests showed the yellow and black contamination to be aluminum trihydrate, lead stabilizer and calcium carbonate.

8/10 Thermal Industries. Pittsburg. PA

The customer complained of poor finish and poor surface results with RP-159 Beige 347. R&D Technical Service is investigating.

8/10 Armor Bond. Sardis. MS

The customer complained of a 5385 resin car arriving with one unloading spout missing and taped with duct tape.

LABORATORY - Continued

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

8/11 Sunbeam-Oster, Matamoros, Mexico

The customer complained of a 27251 compound color shift at the end of a lot. The product was a little too yellow.

8/11 Intex Plastics, Corinth, MS

The customer complained of having problems unloading a 5305 resin car. We suspect that the resin was too dry and too high in static.

8/18 Centralift, Clearmore, OK

The customer complained of two collapsed boxes of 34431 compound. The pallet design is presently being reviewed as the main cause of stacked box failures.

8/21 Tandy Wire, Ft. Worth, TX

The customer complained of rough surface on wire insulated with 34711 compound. The lumps were unpigmented and slightly harder compound.

08/21 Marley Moulding, Marion, VA

The customer complained several compartment samples from a 5305 railcar were above the 3.0% on the pan specification. The plant is working at coarsening the 5305.

08/21 Triangle, Sikeston, MD

The customer complained of contamination on their screen pak using 35852 compound. The contamination analyzed to be mostly lead with smaller amount of calcium and titanium.

D. Product Waivers Issued

<u>Customer</u>	<u>Product</u>	<u>Reason</u>	<u>No.</u>
Stylecrest	RP-27 WHT 113	40 Mesh	1 R/C

LABORATORY - Continued

E. 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 August, 1992.

	<u>Reactor</u> <u>Slurries</u>	<u>Dryer</u>	
		<u>5265</u>	<u>5305</u>
Number of Samples	942	33	79
Average RVCM, ppm	55	0.090	0.137

F. RVCM of Shipment Samples

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

<u>Product</u>	<u>Number of Samples</u>	<u>Average RVCM, ppm</u>
5225	0	-----
5265	60	0.038
5305	98	0.077
5325	2	0.049
5385	53	0.080
5395	9	0.015
5415	77	0.040
5416	0	-----
5465	6	0.007
Debox	4	0.019
Pond	0	-----
Dry Blend	0	-----

G. Flexible Compound Quality Summary

	<u>Adjustments</u>		<u>Rejections</u>	
	<u>M Lbs.</u>	<u>%</u>	<u>M Lbs.</u>	<u>(%)</u>
Hardness	20.0	<0.28>	-----	-----
Color	30.0	<0.42>	13.7	<0.19>
Hard Particles	-----	-----	5.2	<0.07>
Contamination	-----	-----	1.3	<0.02>
Dicing	-----	-----	13.6	<0.19>
Cross-Contamination	-----	-----	11.2	<0.16>
Mischarge	5.0	<0.07>	17.2	<0.24>
Metal	-----	-----	15.5	<0.21>
METS-IR	-----	-----	9.0	<0.12>
Totals	55.0	<0.76>	86.7	<1.20>

LABORATORY - Continued

H. Rigid Compound Quality Summary

		<u>Rejections</u>	
		<u>M Lbs.</u>	<u><%></u>
Torque Rheometry & Color		3.9	<0.27>
Color Contamination		<u>11.7</u>	<u><0.80></u>
	Total	15.6	<1.07>

August 1992

Resin Process Capabilities	(based on dryer "regulars")					
	5265	5305	5325	5385	5395	5415
Bulk Density	2.67	1.33	2.67	2.10	1.18	1.70
Inherent Viscosity	1.33	2.17	-----	0.96	1.11	0.43
(vs. 0.64 -0.67)	0.33					
(vs. 0.715-0.744)		1.08				
"L" Color	3.33	2.33	24.67	2.83	4.11	3.25
"a" Color	8.00	4.17	9.00			
"b" Color	5.33	2.83	3.83	4.00	4.33	2.67
% on Pan	2.33	1.08	10.00	1.80	1.53	5.67
(vs. 2% max.)						0.67
% thru 140	1.08	1.25		1.81	0.91	6.38
Hard Particles, Average						
5 minutes	47	47	39	13	4	5
7 minutes	16	31	6	3	1	2
METS IR					2.08	2.84
(vs. 95% of Control)						1.48
Average Particle Size,						
Microns	138	144	149	163	140	174

**SAMPLE SHIPMENTS
AUGUST 1992**

RESIN

Ship Date	Product	Amount	Customer	Ship Mode
8/04/92	5385	50 lbs.	Vista R&D - Austin	UPS
8/05/92	5385	50 lbs.	Alcan Building Products	UPS
8/12/92	5305	500 lbs.	GRUPO IMPORTADOR JALISCO	Burlington Northern Air
8/18/92	5285	10 lbs.	REHAU AG + CO	Airborne
	5385	10 lbs.		
	5415	10 lbs.		
8/21/92	5325	50 lbs.	Ferro Chemical	UPS
8/20/92	5305	2 lbs.	Shawnee	Airborne
8/24/92	Pond	50 lbs.	H. Heller	J. Stark Pick-up
8/25/92	Pond	5 lbs.	Carlon	Airborne
8/25/92	5225	5 lbs.	Teknor Apex	Airborne
	5305	5 lbs.		
8/25/92	5225	1 lb.	Osterman	Airborne
	5305	1 lb.		
	5415	1 lb.		
8/26/92	5325	50 lbs.	O'Sullivan	UPS

COMPOUND

Ship Date	Product	Amount	Customer	Ship Mode
8/14/92	58981 NAT	100 lbs.	Winders and Geist Inc.	UPS
8/19/92	48451 BLK	100 lbs.	Excel of Kentucky	Airborne
8/19/92	419-128A NAT	2 lbs.	Furon - Macromeric Div.	Airborne
8/21/92	48562 BLK	1500 lbs.	LOF Tech.	CC
	48451 BLK	1500 lbs.		
	462-121B1 BLK	1500 lbs.		
8/27/92	35852 BLK	200 lbs.	Modified Tubular Products	Airborne

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SAMPLE SHIPMENTS
AUGUST 1992

Page 2

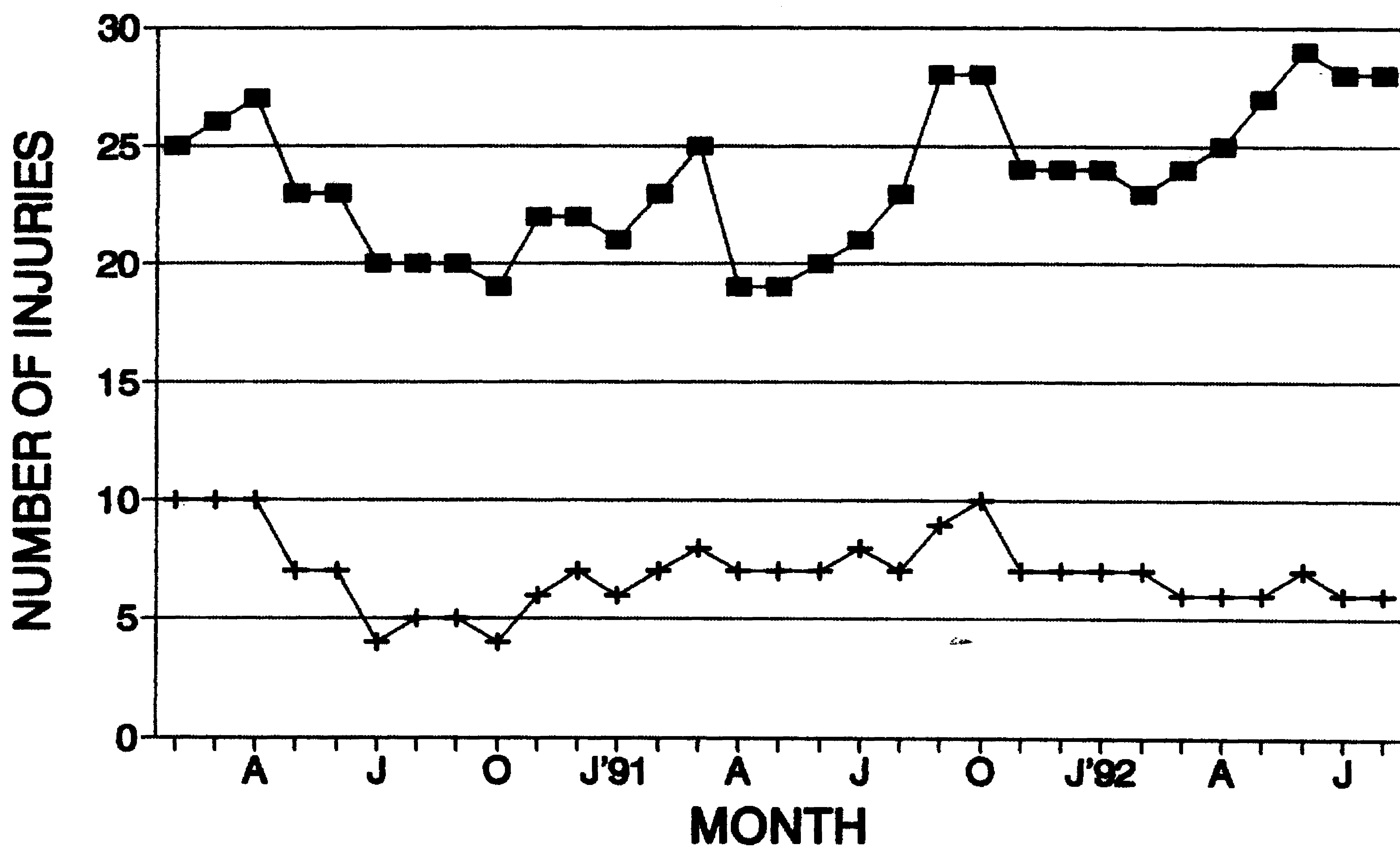
DRYBLEND

Ship Date	Product	Amount	Customer	Ship Mode
08/06/92	489-188A NAT	335 lbs.	Abitibi-Price Corp.	CC
	489-188B NAT	348 lbs.		
	489-188C NAT	354 lbs.		
	489-188D NAT	349 lbs.		

MISC.

Ship Date	Product	Amount	Customer	Ship Mode
8/12/92	Penn Color 83B1479	5 lbs.	Vista R&D - Austin	UPS

ABERDEEN CHEMICAL PLANT INJURIES **(Twelve Month Running Totals)**



—■— TOTAL INJURIES
—+— OSHA RECORDABLE

ABERDEEN ENERGY EFFICIENCY BTU/LB TOTAL PRODUCTION

