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To: T. H. Huffman

From: D. C. Skokna
Date: October 25, 1991

Interoffice
Communication

Subject: ABERDEEN MONTHLY PROGRESS REPORT
SEPTEMBER, 1991

VISTA

Safety

There were three first aid and two recordable (one MT and one RWC) injuries reported during September. For FY1991, there were nine recordable (four MT and five RWC) cases reported. The RWC involved a mechanic who sprained his back while lifting a valve. The MT case occurred when a mechanic fell on a grating and suffered a laceration of the lower right eyebrow and a contusion on the right cheek.

A Supervisor Safety Seminar was held during the month with forty attendees. Topics included product safety, substance abuse, supervisor responsibilities and liabilities, and safe job preparation. As of September 30, the plant's employees completed 4470 days (5,984,039 manhours) since the last lost time injury.

FY1991 Key Statistical Information

	<u>Sept.</u>	<u>Y.T.D.</u>
PVC Production, MM Lbs.	38.3	458.6
Reactor Stream Factor, %	93.4	86.8
Resin Quality, % Prime	98.3	97.9
VCM Efficiency, Lbs./Lb.	1.0412	1.0247
Flexible Compound Production, MM Lbs.	5.6	59.2
Flexible Compound Quality, % Prime	98.5	97.3
Rigid Compound Production, MM Lbs.	3.2	52.1
Rigid Compound Quality, % Prime	95.5	98.8
Plasticizer Production, MM Lbs.	1.5	18.3
Plasticizer Quality, % Prime	89.4	84.7
Energy Use, (EUI, %)	< 4.6 >	< 10.3 >
Fixed Cost Variance, \$M	69.4	< 202.0 >
Variable Cost Efficiency Variance, \$M	15.6	< 278.7 >

Operations

The resin production of 458.6MM pounds is a new all time annual record surpassing the previous record set in FY90 of 457.4MM pounds. The conversion of the Old Module to the VCSM is set to begin October 18.

Compound orders were good during the month. Dry blend quality concerns caused more than normal downtime and slower rates.

VAB.0001189534

T. H. Huffman

10/25/91

Aberdeen Monthly Progress Report - September, 1991

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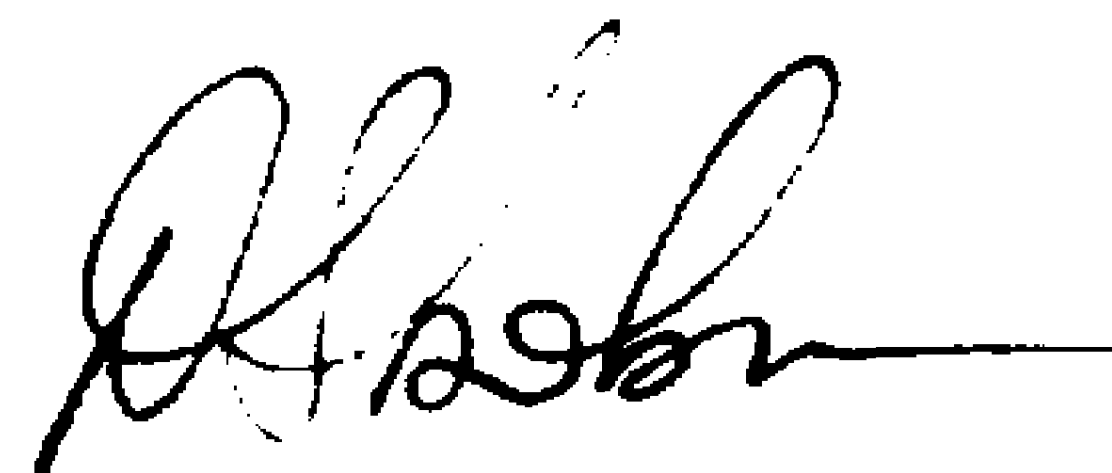
Costs

Variable costs were near budgeted levels.

Fixed costs were favorable due primarily to a favorable MM&C variance. However, an accounting error resulted in no contract costs being charged in September. This error will be corrected in October.

OMP

- The Shipping Natural Team made its management presentation for a project that will improve safety and productivity in the finished goods warehouse.
- The Plant Manager's Natural Team identified \$403M in cost savings from their project to improve cash flow by \$1MM. Some of the incomplete items will carry into FY92.
- Chelsea Building Products visited the plant for a general overview, tour and a review of dry blend quality control procedures.
- A two-day team management course was presented to sixteen employees.
- The plant's average natural team score in FY91 is 17.2, up 72% during the year.
- In FY92, the plant's natural teams had forty-four documented successes. Improvements were noted in quality, productivity, environmental awareness, and safety as a result of these projects.



D. C. Skokna
Plant Superintendent

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SAFETY - B. L. Trego

	<u>Sept.</u>	<u>Fiscal</u> <u>Y.T.D. 1991</u>	<u>Fiscal</u> <u>Y.T.D. 1990</u>
First Aid	3	19	15
OSHA Recordable	<u>2</u>	<u>9</u>	<u>5</u>
Total Injuries	5	28	20
Number of Restricted Workday Cases	1	5	3
Number of Lost Workday Cases	0	0	0

Injuries by Department

Vinyl Operations	0	4	0
Compound Operations	0	7	5
Maintenance	5	15	13
Laboratory	0	0	1
Receiving/Warehouse	0	0	0
Office	<u>0</u>	<u>2</u>	<u>1</u>
Totals	5	28	20

Injuries by Type

Cuts and Abrasions	3	12	7
Eye Injuries	0	1	1
Burns	1	5	4
Bruises	0	3	2
Strains/Sprains	1	4	1
Stings	0	0	3
Other	<u>0</u>	<u>3</u>	<u>2</u>
Totals	5	24	20

Non-Occupational Injuries

Lost Workday Cases	0	6	8
Days Lost	0	127	212

Contractor Injuries

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

Safety Record

Last lost time injury - 7/5/79
Days since - 4,470
Employee hours since - 5,984,039

On September 30, 1991, the employees of the Aberdeen plant completed 4,470 days with no lost time injury.

SAFETY - Continued

Topics for plant safety meetings during the month included: Operation Clean Sweep and Off-the-Job Safety. In addition, Vinyl and Compound shift workers conducted familiarization tours for emergency crews.

A Management/Supervisor Safety Seminar was held in October with over forty attendees. Topics included Product Safety, Substance Abuse, Supervisor Responsibilities and Liabilities and Safe Job Preparation.

A fire drill was held in the plasticizer tank farm. It required use of foam by Vista personnel and response by the Aberdeen Fire Department. Headcount was also evaluated.

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	81	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>
FA	Maintenance	Contusion and abrasion of left elbow.
FA	Maintenance	Metal splinter in "ring" finger of left hand.
FA	Maintenance	First degree burn at back of neck.
MT	Maintenance	Laceration of lower right eyebrow and severe contusion of upper right cheek, below eye.
RWC	Maintenance	Muscle sprain of lower back.

QUALITY MANAGEMENT PROCESS - T. J. Arbeiter

All of the plant's natural teams met during September. Some of the teams' highlights for the month were:

- The Shipping Natural Team made a presentation to Management on September 18. The problem the team identified was the lack of restroom facilities in the finished goods warehouse. The team identified numerous health, safety and productivity problems associated with this lack of a facility, including:
 - Truck drivers traveling unescorted through the plant in search of a restroom.
 - Warehousemen have no facilities convenient for washing their hands prior to eating lunch.
 - No eyewash facility near the warehouse.
 - Warehousemen spend too much time giving directions to truck drivers.
 - Warehousemen must walk an excessive distance to and from the restroom - this takes time away from work.

The team identified five alternative solutions to the problem, selected one and solicited bids from four qualified contractors.

- The Plant Manager's Natural Team identified \$403M in cost savings from their project aimed at increasing cash flow by \$1MM. These cost savings resulted from efforts relating to staffing optimization, energy conservation, inventory control, productivity improvement and administrative streamlining.
- The Synergy Team continued selecting in on the brainstormed list of barriers to effective participation in QMP/natural teams.
- Chelsea Building Products visited the plant on September 10. Attendees from Chelsea included Jeff Miller, Vice President Engineering; Gunther Nitsch, Technical Director; and Phil Marshall, Quality Control Manager. The purpose of the visit was to provide Chelsea with a general overview of our plant operations, a detailed demonstration of the quality control of rigid compound, and to discuss the use of SQC, SPC and DOE at the Aberdeen Plant.

QUALITY MANAGEMENT PROCESS - Continued

- The Quality Coordinator conducted a two-day team management course for sixteen plant employees. Bob Seymour, Doug Skokna, Bruce Trego and Steve Hillman volunteered to conduct modules during the course. Thanks for the help!
- The average natural team score for FY92 is 17.2, up 72% during the year.

COST VARIANCES - D. C. Skokna

Variable Costs

<u>Product</u>	<u>Sept... 1991 Variance, \$M</u>		
	<u>Efficiency</u>	<u>Price</u>	<u>Total</u>
PVC	<\$52.4>	\$537.9	\$485.5
Flexible Compound	12.2	< 317.1>	< 304.9>
Rigid Compound	10.3	< 72.2>	< 61.9>
Plasticizer	45.5	< 90.7>	< 45.2>
Total	\$15.6	\$ 57.9	\$ 73.5

PVC Resin

Energy use was above budgeted levels.

Flexible and Rigid Compounds

Both compound units operated near budgeted efficiencies.

Plasticizer

Raw material usage was favorable.

Major Price Variances:

	<u>Variance - \$M</u>
■ VCM	\$486.7
■ Natural Gas	43.6
■ Phthalic Anhydride	27.2
■ Resin to Rigid Compound	< 76.7>
■ Resin to Flexible Compound	< 94.0>
■ Alcohols	<122.2>
■ Plasticizers	<192.9>
■ Other Price Variances	< 13.8>
Total	\$ 57.9

Fixed Cost Variances

	<u>Variance - \$M</u>
■ Payroll and Benefits	<\$ 2.8>
■ MM&C	148.7
■ Miscellaneous	< 68.1>
■ TI&D	0.6
■ Clearances	< 9.0>
Total	\$ 69.4

Payroll and Benefits - A \$21.7M favorable payroll variance was offset by an unfavorable benefits variance of \$24.5M.

MM&C - An accounting error of some type showed contract expenditures to be <\$21.7M>. Actual expenditures were approximately \$100M. Therefore, this month's variance is incorrect.

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

The Vinyl Department had no first aid case or OSHA recordable injuries during September.

The monthly safety meetings were held on shift with each shift supervisor leading discussions focusing on shutdown safety issues and other shift concerns.

General

1. VCSM project team prepared for an October conversion of the Old Module. The date has been moved to October 18 due to inventory constraints. The conversion team focused on optimization and documentation.
2. The west incinerator installation was completed. Testing continues prior to shutdown and replacement of the east incinerator.
3. Testing of a closed dump system was completed. The cleanwall and evacuation reactor modes were reversed in sequence to evaluate the effect of cleanwall on the condenser with no evacuation after application. PED is working on the design.

	<u>Sept.</u>	<u>YTD</u>
- Production, MM Lbs.	38.3	458.6
- Daily Rate, M Lbs./C.D.	1275.7	1256.3
- Capacity Utilization Factor, %	100.0	98.5
- Total Reactor Charges	925.0	10783.0
- Charges/C.D.	30.8	29.5
- Reactor Stream Factor, %	93.4	86.8
- Rotary Dryer Stream Factor (#4-#8), %	94.5	91.0
- Fluid Bed Dryer Stream Factor, %	98.5	90.9
- Resin Quality, % Prime	98.3	97.9

The fiscal 1991 production of 458.6MM pounds is a new fiscal production record exceeding the previous record of 457.4MM pounds in fiscal 1990.

Reactor Downtime

	<u>Hours</u>
■ Operational downtime (recovery scheduling conflicts, charge/rinse water conflicts, Q.C. data delays, and dump conflicts).	308.0

VINYL - Continued

Reactor Downtime

Hours

- Maintenance downtime (hydroblast D-744 condenser, New Module DCS download, hydroblast D-741 condenser, incinerator outage, D-745 rinse nozzle, D-300 Lenape lid replacement, ram valve on D-744, Install DCS patch and download D-743 programs, D-744 annual rupture disc changeout, PM D-300 gearbox, PM D-745 gearbox, D-745 cooling water valve, and replace RTD on D-741. 170.0

Dryer Time

% of
Total
Downtime

- Operational downtime (centrifuge plugs, dryer cleaning, flameouts). 39.7
- Maintenance downtime (dryer PM). 7.7
- Reactor limited production. 52.6

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

1. The annual rupture disc changes were completed on reactors 741 and 744.
2. The emission recovery compressor's seal was changed when it developed a leak.
3. Reactor condensers 741, 742 and 744 were hydroblasted in an effort to control contamination.
4. Reactor 745 seal was changed after twenty-three months in service.
5. Maintenance assisted the startup on the west incinerator.
6. The critical instrumentation PM for the SA module was completed.
7. One major valve in Vinyl was changed out in September.

COMPOUND - S. C. Hillman, M. R. Kane**Safety**

The Compound Department had no OSHA recordable injuries in September.

General

Orders remain tight on all production lines. Close monitoring of dry blend product quality has caused higher than normal downtime and slower than normal rates.

<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	30	1807	60	20076
Line III	30	3526	118	35067
Line V	7	<u>274</u>	<u>39</u>	<u>4069</u>
Total		5607	187	59209
% Prime		98.5		97.3
Capacity Utilization Factor		72.3		63.3

Downtime**Hours****Line I**

- Product Changes	118
- One Dicer Offline	56
- Miscellaneous Maintenance	8

Line III

- Product Changes	59
- Miscellaneous Maintenance	16
- Quality	5

Line V

- Product Changes	33
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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	30	3213	107	52108
% Prime		95.5		98.8
Capacity Utilization Factor		46.9		70.0

Downtime

Hours

- Running One Blender	93
- Product Changes	93
- Quality	77
- Miscellaneous Maintenance	11

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Plasticizer	30	1494	50	18307
% Prime		89.4		84.7
Capacity Utilization Factor		70.9		76.1

Key Maintenance Work - J. B. Autrey, S. A. Truitt

1. PM procedures on #5, #6, and #9 dicers were completed.
2. Line I and plasticizer critical instrumentation lists were completed.
3. The search coils on #5 and #6 metal detectors were replaced due to wear.

ENGINEERING - J. E. Nickerson, M. L. Carter**PROJECTS IN DEVELOPMENT - GENERAL****VCSM**

Movement of common equipment from the old control room to the new DCS equipment continues as operation requirements allow. Turnaround for conversion of the Old Module is scheduled to start October 18.

Dry Blend Oversize Problems

Dry blend screener replacement startup is complete. An evaluation of product quality improvements and troubleshooting new equipment problems continues. Design work and testing for new cooling equipment continues with plans to start up a rented water chiller next month.

Incinerator Replacement

The new west incinerator startup is complete and on line. The east incinerator was shut down and the replacement startup is scheduled for November.

AT&T Scrap Recycle

Preparations are complete for a scrap test run on Line I which will be conducted when the production schedule permits. The trial will attempt to produce several types of products from the scrap material.

MSA Extended Test Run

An extended test run is in progress to determine if methane sulfonic (MSA) is a viable substitute for PTSA as the catalyst for plasticizer production. The objective is to reduce organic loading to the ponds without affecting product quality. Thus far, product quality has not been affected by the use of MSA, however, no substantial improvements in organic loading have been noticed either. Further test runs are planned for mid-October.

ABERDEEN CHEMICAL PLANT
APPROVED CAPITAL PROJECTS
=====

ENGINEERING - M.L. CARTER

AFE NUMBER	PROJECT DESCRIPTION	STATUS
A519	PLANT ELECTRICAL UPGRADE	PROJECT HAS BEEN COMPLETED AND TARGETED FOR FIELD CLOSURE 10-15-91
A649	VINYL CONTROL SYSTEM MODERNIZATION	N.M. CONVERSION WAS MADE IN JULY T/A - O.M. CONVERSION SCHEDULED FOR OCT.
A909	INERTS REMOVAL MODIFICATIONS	PLACED IN OPERATION 8-91, TARGETED FIELD CLOSURE NOV FY 92
C591	DRYBLEND SAMPLE LINE	CONSTRUCTION IS IN PROGRESS TARGETED PLACE IN OPERATION 12-91
D511	VCM UNLOADING MODIFICATIONS	CONSTRUCTION IN PROGRESS, MISC. MATERIALS STILL ON ORDER.
D550	RAILCAR ACCESS PLATFORMS	PLACED IN OPERATION 8-91, TARGETED FIELD CLOSURE NOV FY 92
D570	OLD MODULE RECOVERY SYSTEM ACCESS	PREFAB WORK HAS BEEN COMPLETED, PLANNED FOR OLD MODULE OUTAGE IN OCT.
D580	RECOVERY VACUUM PUMP PRESSURE REL.	N.M. WORK WAS COMPLETED JULY T/A - O.M. WORK PLANNED FOR OCT T/A
D600	PLASTICIZER LOADING. & UNLOADING. MOD.	PLACED IN OPERATION 8-91, TARGETED FIELD CLOSURE NOV FY 92
D749	LEAD HANDLING AND EXPOSURE REDUCTION	PROCESS ENGINEERING IS MONITORING MODIFICATIONS.
D849	COMPOUND LINE 3 SEMI-BULK LEAD HANDLING	MODIFICATIONS HAVE BEEN MADE, A TEST RUN HAS BEEN SCHEDULED FOR OCT
D899	RAILCAR CLEANING RACK	PLACED IN OPERATION 8-91, TARGETED FIELD CLOSURE NOV FY 92
F551	DRY BLEND SCREENER REPLACEMENT	SCREENERS ARRIVED AND WILL BE INSTALLED IN OCT. TARGETED COMPL. IS OCT
F650	5305 RESIDUAL VCM REDUCTION	PROJECT IS TARGETED TO BE PLACED IN OPERATION IN OCT 91
F660	DECALCIFIED WATER	NEW FILTERS DUE TO ARRIVE IN OCT. TARGETED COMPLETION NOV. FY92
G560	TC SPILL CONTAINMENT	PROJECT HAS BEEN COMPLETED AND TARGETED FOR FIELD CLOSURE 10-15-91
G561	WASTEWATER INFLUENT EQUALIZATION	CONSTRUCTION IS CURRENTLY IN PROGRESS, TARGETED OPERATIONAL MID OCT. FY 92
G610	TC COMPLIANCE PROJECT	PROJECT HAS BEEN COMPLETED AND TARGETED FOR FIELD CLOSURE 10-15-91
G630	REACTOR SLURRY STRIPPING OPTIMIZATION	N.M. WORK WAS COMPLETED JULY T/A - O.M. WORK PLANNED FOR OCT T/A
G659	NEW DRYER BAGHOUSES	MODIFICATION OF MEMBRANE BACKING IS SCHEDULED FOR OCT OUTAGE.
G839	PLANT WATER RECYCLE	PROJECT IS TARGETED TO BE PLACED IN OPERATION IN 11-91
H500	PLANT WATER SYSTEM	I & E ENG. IN PROGRESS, CIVIL AND SITE CONSTRUCTION IN PROGRESS
H501	MISCELLANEOUS CAPITAL PROJECTS < \$15M	36 PROJECTS APPROVED, 22 COMPLETED, ENG. IS IN PROGRESS ON 14 PROJECTS.
H510	WEST INCINERATOR REPLACEMENT	INCINERATOR INSTALLED. PROJECT COMPLETION TARGETED FOR 10-91
H531	BOILER FEEDWATER TANK REPLACEMENT	PROJECT HAS BEEN PLACED IN OPERATION, TARGETED FIELD CLOSURE DEC FY 92
H541	PVC GEARBOX REPLACEMENT	PROJECT IS TARGETED TO BE PLACED IN OPERATION IN OCT FY 92
H571	D-745 RX DRIVE SHAFT REPL	PROJECT IS TARGETED TO BE PLACED IN OPERATION IN OCT FY 92
H581	SPARE LARGE RX AGITATOR MOTOR	CURRENTLY WORKING WITH VENDORS ON PRICING
H601	GAS CHROMATOGRAPH UPGRADE	PROJECT WAS APPROVED IN JULY FY 91
H620	EAST INCINERATOR REPLACEMENT	INCINERATOR DELIVERED. PROJECT COMPLETION PLANNED FOR 11/91.

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

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

Samples of stormwater were collected from unpermitted outfalls during a rain event on September 24. Three to four weeks are required for analysis. This information is needed for the permit applications.

Superfund

DuPont Environmental Remediation Services (DERS) completed the sampling of the deep wells. The wells were being checked for phthalates that appeared during the last sampling. Results are expected in late October. The MDEQ was on site to observe the sampling.

Conoco's Subsurface Environmental Assessment Lab (SEAL) attempted to delineate the vinyl chloride plume detected in shallow groundwater south of the New Module. The SEAL unit located the boundaries of the plume but did not pinpoint the source. This will probably be done with further SEAL work. The sewers will be visually inspected during the October shutdown.

Waste

Waste shipments during the month included:

- Eighty drums of plasticizer filter cake to Fisher Industrial Service in Gadsden, AL.
- A bulk load of storm water solids to M&D Industries in Alpine, AL.

ENERGY CONSERVATION - J. R. Ganc

	<u>Sept., 1991</u>	<u>Fiscal Y.T.D.</u>
I. <u>Energy Conservation Data</u>		
A. Unadjusted EUI	< 5.8%>	< 11.1%>
B. Adjusted EUI	< 4.6%>	< 10.3%>
C. BTU/Lb. Product	2666.0	2772.9
D. Total Energy Consumption MMM BTU	130.2	1624.1

II. Boiler Operation

<u>Boiler</u>	<u>Combustion Efficiency %</u>	
	<u>Sept., 1991</u>	<u>Fiscal Y.T.D.</u>
No. 1	83.2%	83.2%
No. 2	83.2%	83.3%
No. 3	82.7%	82.8%

HUMAN RESOURCE REPORT

SEPTEMBER, 1991

Personnel - J. E. Beall

Employment

None.

Promotions/Transfers

J. E. Nickerson - Operations Superintendent - Transferred to Chief Process Engineer (replacing Rendell Newton).

Steve C. Hillman - Senior Process Engineer - promoted to Operations Superintendent (replacing J. E. Nickerson).

Judith A. Frossard - Analyst Payroll - promoted to Production Scheduler (replacing Amy Bagwell).

John D. Hull - General Mechanic "A" - promoted to Maintenance Supervisor (replacing Charles Smith).

RETIREMENTS

None.

TERMINATIONS/RESIGNATIONS

None.

TO/FROM LEAVE OF ABSENCE

None.

ABERDEEN PLANT

MONTHLY PERSONNEL REPORT

SEPTEMBER, 1991

<u>EMPLOYMENT</u>		<u>NEW HIRES</u>		<u>MO</u>	<u>YTD</u>
Salaried	75	Salaried/Transfer		0	0
Hourly	164	Hourly		0	0
Temporary	2	Temporary		0	5
SUB TOTAL	241	TOTAL		0	5
L.O.A.	1				
TOTAL	242				

DEPARTMENTS	#EMPLOYEES	M	F	%M	%F	DEPARTMENT TURNOVER		ANN. %
						MO.	YTD	
WAREHOUSE	15	9	0	60%	0	0	0	0
GENERAL PLANT	11	5	0	45%	0	0	1	12.1%
MAINTENANCE	38	8	0	20.5%	0	1	1	3.5%
LABORATORY	24	5	2	20.8%	8.3%	0	0	0
COMPOUND	38	23	1	59%	2.6%	0	4	14.0%
VINYL	33	10	1	30%	3.0%	0	0	0
PLASTICIZER	5	2	0	40%	0	0	0	0
SUB TOTAL	164	62	4	37.8%	2.4%			
SALARIED	75	7	18	9.3%	24.0%			

<u>APPLICATIONS</u>	<u>No.</u>	<u>%</u>	<u>PLANT TURNOVER</u>	<u>No</u>	<u>%</u>
Month	0	0	Hourly Month	0	0
YTD	0	0	YTD	4	3.2%
Minority	0	0	Salaried Month	0	0
Female	0	0	YTD	6	10.6%

Printed
10/04/91

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

Department	Overtime		Paid Absences				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	1312.50	82.25	9.92	48.00	80.00	11.50	.88	0.00	0.00	0.00	24
UTILITY	635.25	52.25	12.00	24.00	40.00	.75	.12	0.00	0.00	0.00	36
MAINTENANCE	4677.50	533.00	11.80	18.75	264.00	34.75	.74	0.00	0.00	200.00	392
QC LAB	2787.00	110.25	7.40	96.00	176.00	1.00	.04	0.00	0.00	0.00	164
JANITORS	300.50	1.25	1.91	4.50	16.00	0.00	0.00	0.00	0.00	0.00	8
WAREHOUSE	1017.50	71.00	6.98	0.00	56.00	6.50	.64	0.00	0.00	0.00	96
STORES	303.00	2.00	.66	0.00	16.00	1.00	.33	0.00	0.00	0.00	0
DEVELOPMENT LAB	752.00	45.00	8.44	18.50	40.00	8.00	1.06	0.00	0.00	0.00	16
DRY BLEND	852.00	154.50	23.77	48.00	64.00	0.00	0.00	12.00	0.00	0.00	204
COMPOUND	5668.50	406.25	11.62	252.50	356.00	66.00	1.16	0.00	0.00	96.00	192
VINYL	5637.00	641.00	15.56	236.00	372.00	106.75	1.89	0.00	0.00	168.00	368
PLASTICIZER	611.00	61.50	13.99	24.00	40.00	1.00	.16	0.00	0.00	204.00	24
Total Plant =====>	24553.75	2160.25	11.94	770.25	1520.00	237.25	.97	12.00	0.00	668.00	1524

Pay Period ending September 29, 1991

VAB.0001189552

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

Department	Total S/T Hr	Overtime		Holiday Worked Hr	Holiday hr Not worked	Non Paid Hours	Absence % of S/T	Jury Duty	Paid Absences			Long-term Disability	Total Abs % of S/T	Vacation
		Total Hour	% of S/T						National Guard	Death in Family				
YARD	11732.75	1330.00	12.97	192.00	320.00	62.50	.53	12.00	0.00	0.00		0.00	.63	948
UTILITY	5927.25	568.75	11.01	84.00	160.00	.75	.01	0.00	0.00	0.00		0.00	.01	456
MAINTENANCE	46554.50	5854.00	12.76	84.75	1104.00	373.25	.80	16.00	84.00	72.00		1240.00	3.83	4536
QC LAB	25483.25	1709.75	8.07	348.00	684.00	124.00	.49	0.00	204.00	16.00		0.00	1.35	1848
JANITORS	2732.50	41.50	1.68	4.50	64.00	16.00	.59	0.00	0.00	0.00		0.00	.59	240
WAREHOUSE	9620.50	908.00	9.72	27.50	224.00	31.25	.32	16.00	0.00	56.00		72.00	1.82	768
STORES	2674.25	26.75	1.00	0.00	64.00	13.75	.51	8.00	0.00	24.00		0.00	1.71	272
DEVELOPMENT LAB	7068.50	253.50	4.56	68.75	160.00	16.25	.23	24.00	0.00	56.00		0.00	1.36	552
DRY BLEND	8124.25	670.00	9.87	132.00	228.00	12.75	.16	12.00	0.00	36.00		168.00	2.82	528
COMPOUND	51722.00	5394.75	11.86	738.25	1360.00	339.25	.66	0.00	84.00	72.00		2360.00	5.52	3508
VINYL	53671.75	7708.00	16.00	880.00	1436.00	635.00	1.18	0.00	84.00	24.00		1344.00	3.89	3272
PLASTICIZER	6630.00	494.50	8.36	60.00	164.00	119.00	1.79	0.00	0.00	24.00		372.00	7.77	716
Total Plant =====>	231941.50	24959.50	11.89	2619.75	5968.00	1743.75	.75	88.00	456.00	380.00		5556.00	3.55	17644

Pay Period ending September 29, 1991

ADMINISTRATIVE SERVICES - D. A. Barclay

Safety

There were no reportable safety instances this month.

Quality

The Shipping Natural Team made a management presentation on their project in September.

OASIS Progress

Closing of the OASIS system in September improved by approximately fifty percent.

Statistics

<u>Processed</u>	<u>Month</u>	<u>Y.T.D.</u>
Processed Invoices	1199	11544
Working Fund Checks Written	12	154
Cost Savings Through Bid Process	\$ 255	\$28845
Raw Material Purchase Orders Issued	120	1117
MRO/AFE Purchase Orders Issued	216	2202
Spare Parts Purchase Orders Issued	167	2098

Packaged Finished Goods Ending Inventory

	<u>Aug., '91</u>	<u>Sept., '91</u>	<u>(Decrease) /Increase</u>	<u>% Change</u>
Compound "A" Grade	4,309,548	4,240,156	<69,392>	< 1.61>
PLENEX	85,626	107,846	22,220	25.95
Compound Off-Grade (BC)	365,738	293,590	<72,148>	<19.73>
Compound Off-Grade (H)	182,848	202,380	19,532	10.68
Millscrap	117,408	119,045	1,637	1.39
Dry Blend "A" Grade	537,998	593,244	55,246	10.27
Dry Blend Offgrade	356,699	431,162	74,463	20.88
Resin Type I	731,450	707,450	<24,000>	< 3.28>
Resin Type "BC"	100	100	0	0.00
Vacuum Dust	<u>172,939</u>	<u>180,759</u>	<u>7,820</u>	<u>4.52</u>
Total Packaged Warehouse	6,860,354	6,875,732	15,378	0.22

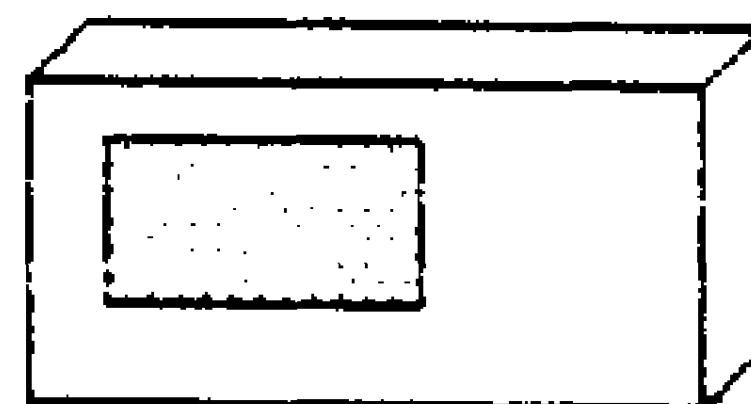
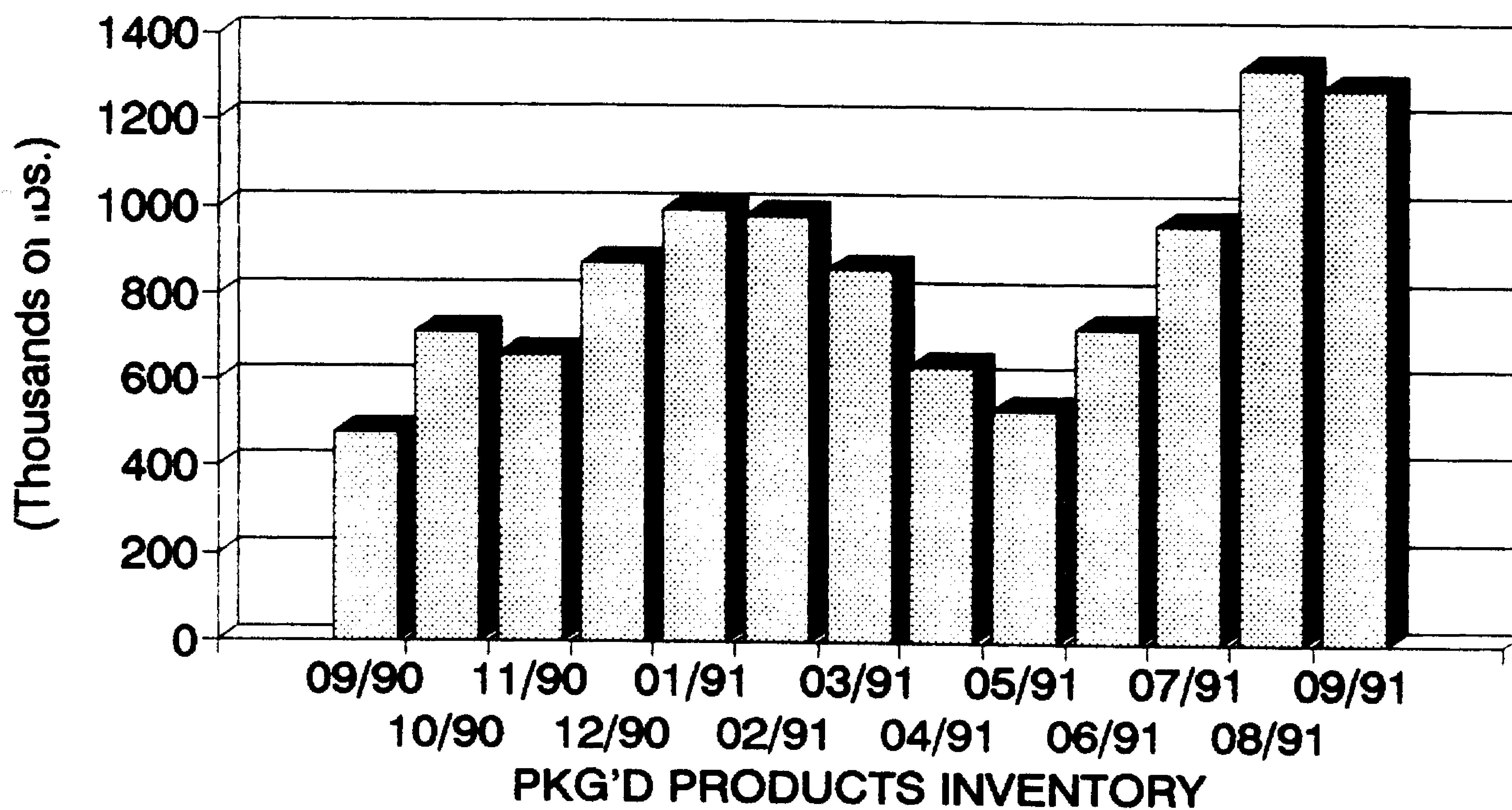
ADMINISTRATIVE SERVICES - Continued

Bulk Finished Goods Ending Inventory

	<u>Aug., '91</u>	<u>Sept., '91</u>	<u>(Decrease)</u> <u>/Increase</u>	<u>%</u> <u>Change</u>
Compound "A" Grade	643,615	1,142,715	499,100	77.55
Compound Offgrade	177,500	0	< 177,500>	<100.00>
Dry Blend "A" Grade	2,984,939	1,368,843	<1,616,096>	< 54.14>
Dry Blend Offgrade	1,112,560	1,112,560	0	0.00
Resin "A" Grade	11,179,589	13,407,612	2,228,023	19.93
Resin Offgrade	<u>1,775,473</u>	<u>1,827,100</u>	<u>51,627</u>	<u>2.91</u>
Total	17,873,676	18,858,830	985,154	5.51

FLEXIBLE & RIGID OFF-GRADE

SEPT.'90 THRU SEPT.'91



10/02/91

ABERDEEN CHEMICAL PLANT

PRODUCT RETURNS

SEPTEMBER 1991

DATE	CUSTOMER	LOCATION	PRODUCT	REORDER #	DESCRIPTION	BLEND #	CONT.	LBS	CR #	SHIPPED	ORIGIN	INVOICE #	DISPOSITION/REMARKS
09/19/91	CENTRAL PLASTICS	KS, MCPHERSON	CMFD	13441	58162 GRYS75	51015	BOXES	20,800	02025	09/05/91	0001435-000		CENTRAL NEEDS 545 GRAY-NOT 575 GRAY
								Sum					
								20,800					
09/18/91	DAYTON EXTENDED	OH, HIANISSBURG	DB	14624	RP-152 WHI140	T-371	BULK	32,920	02014	09/11/91	0001685-001		PROD QUALITY-OVERSIZE-TO SILO & RESCREEN
								Sum					
								32,920					
09/10/91	ESSEX GROUP	IN, ARCOLA	RESIN	10797	5415	PLCX46858 BULK		174,550	02011	09/10/91	0001654-000		CONTAMINATION IN CA CMPT
								Sum					
								174,550					
09/13/91	NORTHWIRE	WI, OSCEOLA	CMFD	10470	34551 NAT	11H23	BOXES	1,051	02024	08/09/91	0000457-000		PROD QUALITY-NON-METALLIC METAL-TO H GRAB
								Sum					
								1,051					
09/06/91	THERMAL INDUSTRIES	PA, PITTSBURG	DB	10736	RP-159 86E347	41K31	BOXES	20,800	02023	09/03/91	0001218-000		OFF COLOR
								Sum					
								20,800					
								Sum					
								250,121					

ABERDEEN CHEMICAL PLANT
SHIPPING ANALYSIS
SEPTEMBER 1991

11:09 AM
11-Oct-91

-SHIPMENTS BY PRODUCTS-	MONTH			YTD		
	PUBLIC	IPT/ITC	EXCH/TOLL	PUBLIC	IPT/ITC	EXCH/TOLL
RESIN-BULK	18,533,320	15,059,000	0	230,867,502	154,164,110	1,777,400
RESIN-PACKAGED	387,178	254,200	0	3,648,011	2,596,150	0
FLEXIBLE COMPOUND-BULK	516,660	1,964,950	0	7,177,555	17,082,490	0
FLEXIBLE COMPOUND-PACKAGED	2,837,347	1,500	0	36,404,594	833,970	0
NEW BUSINESS	5,771	0	0	141,346	0	0
RIGID COMPOUND-BULK	2,699,390	499,300	0	36,441,670	7,393,296	0
RIGID COMPOUND-PACKAGED	495,886	0	0	4,799,827	906,801	
RIGID COMPOUND-PELLETS	0	0	0	38,022	0	0
TOLLING - BULK	0	0	0	0	0	1,401,960
TOLLING - PACKAGED	0	0	0	0	0	33,600
PLASTICIZER	42,420	581,220	369,200	993,810	3,190,830	4,572,010
TOTAL	25,517,972	18,360,170	369,200	320,512,337	186,167,647	7,784,970
=====						
-SHIPMENTS BY MODE-						
BULK:		CUSTOMER	COMMON			
	RAILCAR	PICKUP	CARRIER			TOTAL
SEPTEMBER						
RESIN	144	32	53			229
FLEXIBLE COMPOUND	11	0	11			22
RIGID COMPOUND	12	0	28			40
PLASTICIZER	5	0	2			7
TOTAL SEPTEMBER	172	32	94			298
=====						
YTD						
RESIN	1,850	457	492			2,799
FLEXIBLE COMPOUND	125	0	60			185
RIGID COMPOUND	229	27	183			439
PLASTICIZER	33	29	39			101
TOTAL YTD	2,237	513	774			3,524
=====						
PACKAGED:	CUSTOMER	COMMON				
	PICKUP	CARRIER	TOFC	AIR/UPS	AIR/UPS	TOTAL
SEPTEMBER						
RESIN	3	19	0	0	1	23
FLEXIBLE COMPOUND	22	72	0	0	1	95
RIGID COMPOUND	1	17	0	0	0	18
PLASTICIZER	0	0	0	0	0	0
TOTAL SEPTEMBER	26	108	0	0	2	136
=====						
YTD						
RESIN	38	176	0	0	53	267
FLEXIBLE COMPOUND	292	895	0	0	82	1,269
RIGID COMPOUND	11	181	0	0	4	196
PLASTICIZER	0	3	0	0	0	3
TOTAL YTD	341	1,255	0	0	139	1,735
=====						

CC: DAB,TLC,AEV,JRF

VAB.0001189558

LABORATORY - J. M. Edwards

A. Safety

There were no safety incidents in the Laboratory during September.

B. Customer Contacts

Mike Kane, Randell Jackson and Jim Edwards visited Dayton Extruded Plastics to make several presentations to their entire plant on Vista's Quality Management Process and the product we sell them.

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

9/04 Vicoa, Glassport, PA

The customer complained of a late shipment due to a problem with the carrier.

9/04 Vinyl Building Products

The customer complained of inconsistent RP-20 varying in gloss level, slow fusion and causing streaking. R&D Technical Service developed a new test which may detect future variability.

9/06 Vinylume

The customer complained that four board pallets were being used instead of the requested three board pallets.

9/06 Textileather, Toledo, OH

A railcar of 5385 resin was routed in error and went to the wrong destination. This was the second time in three months that a shipment was delayed to Textileather.

9/12 Textileather, Toledo, OH

The customer complained of high brown contamination in a 5385 resin railcar. Jim Edwards visited the Toledo plant to learn how Textileather does their contamination testing and what specifications were needed.

LABORATORY - Continued**C. Customer Q.C. Problem Reports and CNR's** - Continued**9/15 Central Industries, Evansville, IN**

The customer complained of "threads" in compound which jammed their equipment. Samples showed the "threads" to be streamers.

9/15 Central Industries, Evansville, IN

The customer complained of being invoiced for 3000 pounds of product but only received 2600 pounds.

9/29 Essex, Marion, IN

The customer complained of receiving a truck of 5416 resin two weeks early.

D. Product Waivers

<u>Customer</u>	<u>Product</u>	<u>Reason</u>	<u>No.</u>
Available	80273G WHT 110	Long Fusion	1 H/T
Dayton	RP-152 WHT 140	40 Mesh	1 H/T
Thermal	RP-159 BGE 347	Color	1 Lot
Vycom	RP-461 WHT 110	40 Mesh	1 H/T

E. RVCM Summary**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 September, 1991.

	<u>Reactor Slurries</u>	<u>Drier</u>	
		<u>5265</u>	<u>5305</u>
Number of Samples	911	14	110
Average RVCM, ppm	72	0.786	0.672

LABORATORY - Continued

E. RVCM Summary - continued

RVCM of Shipment Samples

The following is a summary of the residual VCM analysis of shipment samples for the month of September, 1991.

<u>Product</u>	<u>Number of Samples</u>	<u>Average RVCM, ppm</u>
5225	0	
5265	31	0.053
5305	161	0.145
5325	6	0.045
5385	44	0.139
5395	12	0.029
5415	80	0.010
5465	4	0.002
Debox	12	0.187
Pond	4	0.334
Dry Blend	5	0.009

F. Resin Process Capabilities (based on dryer "regulars")

	<u>5265</u>	<u>5305</u>	<u>5385</u>	<u>5395</u>	<u>5415</u>
Bulk Density	0.67	0.92	1.20	1.39	1.17
Inherent Viscosity	0.63	0.83	0.33	0.33	0.30
(vs. 0.64 - 0.67)	0.16	----	----	----	----
(vs. 0.715 - 0.744)	----	0.79	----	----	----
"L" Color	3.61	1.93	1.43	2.75	2.33
"a" Color	8.33	4.67	----	----	----
"b" Color	2.00	2.44	2.17	2.33	6.33
% on Pan	1.50	1.00	1.33	0.60	0.74
(vs. 2% max.)	----	----	----	----	0.02
% thru 140	1.31	0.99	1.65	0.76	1.54
Mets I.R.	----	----	----	3.15	3.67
(vs. 95% of Control)	----	----	----	----	1.78
Hard Particles, (% > 10)	----	----	20.5	28.8	0.3
Average Particle Size, Microns	150	146	171	154	172

LABORATORY - Continued**G. Flexible Compound Quality Summary**

	<u>Adjustments</u>		<u>Rejections</u>	
	<u>M Lbs.</u>	<u>%</u>	<u>M Lbs.</u>	<u>(%)</u>
Hardness	31.0	<0.55>	----	----
Color			7.7	<0.14>
Hard Particles			16.2	<0.29>
Heat Stability			1.0	<0.02>
Contamination			17.4	<0.31>
Dicing			2.3	<0.04>
Cross Contamination			1.0	<0.02>
Mischarge			11.6	<0.20>
METS-IR			12.0	<0.21>
Totals	31.0	<0.55>	69.2	<1.22>

H. Rigid Compound Quality Summary

	<u>Rejections</u>	
	<u>M Lbs.</u>	<u>(%)</u>
Torque Rheometry & Color	14.3	<0.43>
Torque Rheometry & 40 Mesh	7.0	<0.21>
Color	18.2	<0.54>
Color & 40 Mesh	6.1	<0.18>
Contamination	21.2	<0.63>
40 Mesh	3.9	<0.12>
Total	70.7	<2.11>

I. Miscellaneous

1. The lab data entry and report programs are all complete for the Vinyl computer VAX information system.

SAMPLE SHIPMENTS

SEPTEMBER 1991

RESIN

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
9/06/91	5305	50 lbs.	Baerlocher USA
	5385	50 lbs.	
9/06/91	5465	2250 lbs.	Vynlex Corporation
9/10/91	5305	150 lbs.	PROVEEDOR QUIMICO
9/11/91	5325	2250 lbs.	Sliverline Plastic Corp.
9/11/91	5395	2250 lbs.	LaGrange Molded Products
9/12/91	5416	2250 lbs.	Essx group Inc.
9/12/91	5225	50 lbs.	Gary Chemical
9/16/91	5415	100 LBS.	IUSA
9/18/91	5225	5 lbs.	Carlton
9/19/91	5385	50 lbs.	MARCOTECH
	5415	50 lbs.	

COMPOUND

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
9/06/91	452-147 WHT 380	500 lbs.	Sunbeam-Northern Co.
9/26/91	57121 WTCL 327	500 lbs.	United Technologies Corp.
	58031 WTCL 328	500 lbs.	
9/26/91	462-20A BLK	1000 lbs.	Deckerville Plastics Inc.
	462-20B BLK	1000 lbs.	
9/26/91	462-20A BLK	100 lbs.	John Levardsen
	462-20B BLK	100 lbs.	

DRYBLEND

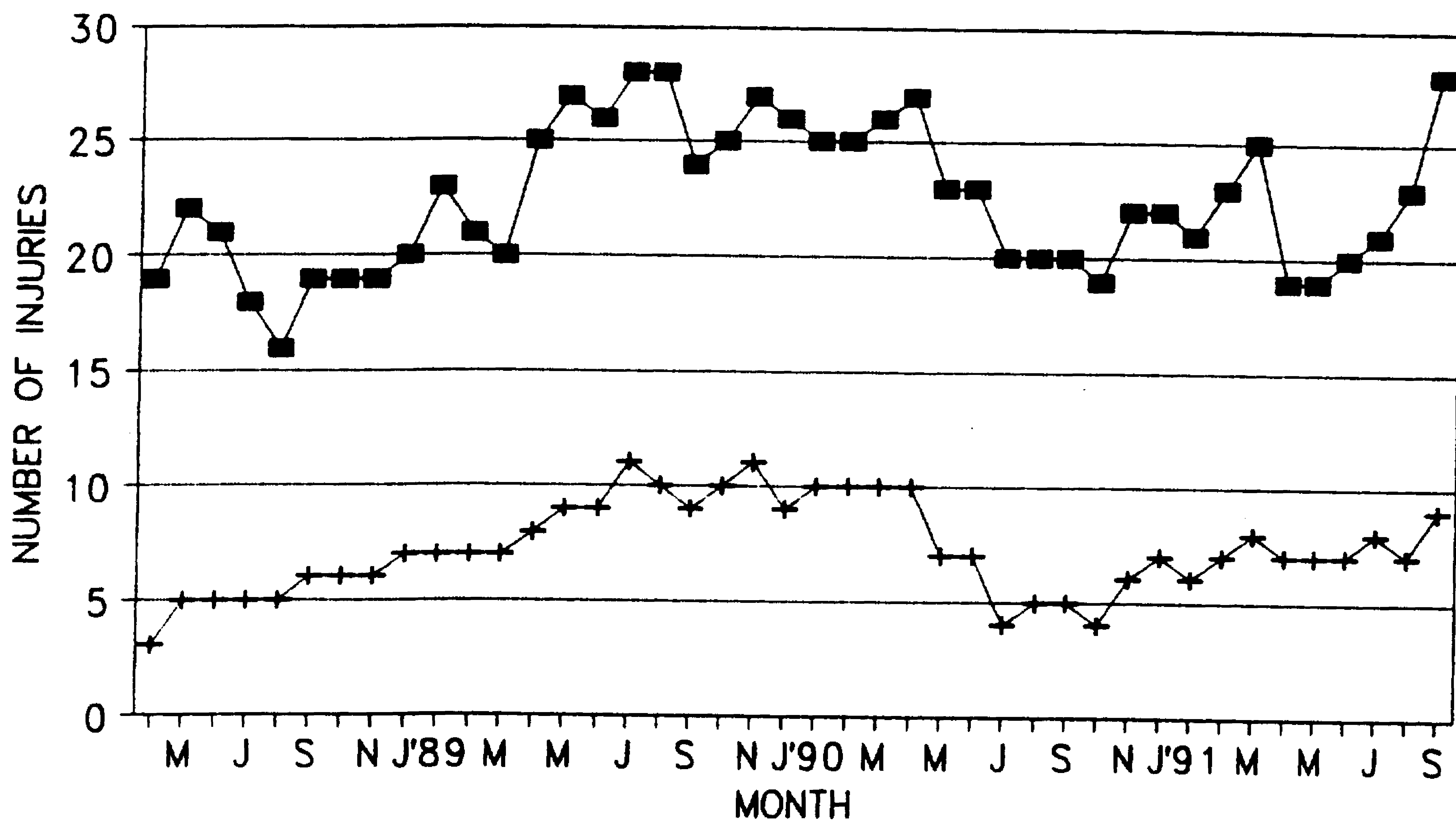
<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
9/09/91	RP-461 WHT 110	15 lbs.	Vycom
9/26/91	RP-34 WHT 141	50 lbs.	PPG Industries
	RP-91 WHT 110	50 lbs.	

VAB.0001189563

A 1

ABERDEEN CHEMICAL PLANT INJURIES

(Twelve Month Running Totals)



—■— TOTAL INJURIES —+— OSHA RECORDABLE

ABERDEEN ENERGY CONSUMPTION

