

File Copy

To: T. H. Huffman

From: R. W. Seymour
Date: June 24, 1991

Interoffice
Communication

Subject: ABERDEEN MONTHLY PROGRESS REPORT
MAY, 1991

4348
30
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4385

VISTA

Safety

There was one first aid case reported in May. At month's end, the plant's employees have worked ~~4246~~ days (5,816,091 manhours) since the last lost time injury.

FY1991 Key Statistical Information

	May	Y.T.D.
PVC Production, MM Lbs.	40.3	318.3
Reactor Stream Factor, %	91.3	88.2
Resin Quality, % Prime	96.5	98.2
VCM Efficiency, Lbs./Lb.	1.0390	1.0241
Flexible Compound Production, MM Lbs.	6.1	36.3
Flexible Compound Quality, % Prime	99.0	97.4
Rigid Compound Production, MM Lbs.	4.5	38.4
Rigid Compound Quality, % Prime	99.0	99.5
Plasticizer Production, MM Lbs.	1.6	12.6
Plasticizer Quality, % Prime	81.8	84.0
Energy Use, (EUI, %)	< 6.6>	< 8.1>
Fixed Cost Variance, \$M	57.8	222.3
Variable Cost Efficiency Variance, \$M	38.1	< 47.7>

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Operations

The resin units ran well during the month. The first phase of reactor VCSM training was completed. Converting the New Module reactors to the VCSM is scheduled to begin July 5, 1991.

Compound

Both rigid and flexible compound production rates continued to be high as orders remain tight. Downtime due to maintenance was low.

Conversion to OASIS began June 1.

Costs

Variable efficiency costs were near budget in all units.

Fixed costs were \$57.8M favorable due primarily to low payroll and low MM&C costs during the month.

VAB.0001189672

T. H. Huffman

6/24/91

Aberdeen Monthly Progress Report - May, 1991

Page 2

OMP

- All plant natural teams met in May.
- The Compound C-Shift Natural Team made a presentation on their project to improve safety and reduce transfer line length on dry blend by rerouting transfer lines.
- The Maintenance Area II Natural Team made a presentation on their project to improve the safety and efficiency of their work in the dry blend basement.
- Customer visits this month were Intex Plastics (Corinth, MS) and Dayton Extruded Plastics.

ENVIRONMENTAL

- The first in-plant environmental newsletter was published.
- We sent the first load of office paper for recycle, consisting of ten thousand pounds of office paper and two thousand pounds of computer paper.

R. W. Seymour

R. W. Seymour
Plant Manager

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<u>DISTRIBUTION</u>		<u>COVER LETTER</u>	<u>ENTIRE REPORT</u>
<u>Houston</u>	J. D. Burns	X	
	R. T. Ferrell	X	
	T. H. Huffman		X
	C. J. Matson		X
	D. F. Harman		X
	H. R. Flammer		X
	R. R. Smith		X
	B. J. Bean		X
	R. H. Gerlach		X
	R. D. Gamblin		X
<u>Austin</u>	R. L. Poe	X	
	H. J. Hall		X
<u>Oklahoma City</u>	H. D. Garrison		X
<u>LCVCM Plant</u>	P. D. Carrico		X
<u>LCCP Plant</u>	J. Friend		X
<u>LCLAB Plant</u>	J. W. Ware	X	
<u>Baltimore</u>	L. R. Bauer	X	
<u>Hammond</u>	J. Pavao	X	
<u>Blane</u>	C. R. Miller		X
<u>Premiere</u>	P. L. Foote		X
<u>Aberdeen</u>	RWS/DCS (File Copy), TJA, JBA, JEB, JME, SCH, DAB, DAM, RBN, JEN, JDO, BLT		

SAFETY - B. L. Trego

	<u>May</u>	<u>Fiscal</u> <u>Y.T.D. 1991</u>	<u>Fiscal</u> <u>Y.T.D. 1990</u>
First Aid	1	10	13
OSHA Recordable	<u>0</u>	<u>6</u>	<u>4</u>
Total Injuries	1	16	17
Number of Restricted Workday Cases	0	4	3
Number of Lost Workday Cases	0	0	0

Injuries by Department

Vinyl Operations	0	2	0
Compound Operations	0	5	5
Maintenance	1	7	10
Laboratory	0	0	1
Receiving/Warehouse	0	0	0
Office	<u>0</u>	<u>2</u>	<u>1</u>
Totals	1	16	17

Injuries by Type

Cuts and Abrasions	0	3	6
Eye Injuries	0	1	1
Burns	1	3	3
Bruises	0	3	2
Strains/Sprains	0	3	1
Stings	0	0	2
Other	<u>0</u>	<u>3</u>	<u>2</u>
Totals	1	16	17

Non-Occupational Injuries

Lost Workday Cases	0	6	6
Days Lost	0	127	119

Contractor Injuries

First Aid Cases	1	3	--
Medical Treatment Cases	0	1	--
Lost Workday Cases	0	1	--

Safety Record

Last lost time injury - 7/5/79
Days since - 4,348
Employee hours since - 5,816,091

On May 31, 1991, the employees of the Aberdeen plant completed 4348 days with no lost time injury.

SAFETY - Continued

Topics for the plant safety meetings during the month included Annual Fire Training, Contractor Safety, Safety Awareness and Forklift Safety.

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	78	100.0	0	0
Lead	5	100.0	0	0
Total Particulates	2	100.0	0	0

Monthly Injury Summary

<u>Injury Class</u>	<u>Department</u>	<u>Description</u>
FA	Compound	First degree burns to both forearms.

QUALITY MANAGEMENT PROCESS - T. J. Arbeiter

All of the plant's natural teams met during May.

Some of the natural team highlights for the month were:

- The Senior Mechanical Engineer's Natural Team worked on the documentation/quantification of their contractor evaluation project.
- The Maintenance Superintendent's Natural Team has reduced spare parts inventory by over \$30M. Work continues to identify further reductions.
- The Maintenance Area II Natural Team made a presentation to management on their latest project - dry blend basement improvements.

The team identified several solutions to the safety and productivity problems associated with the cramped working conditions and poor access in this area of the plant.

A monorail and hoist will be installed to lift equipment into and out of the basement, eliminating the carrying of heavy valves, etc. on the stairway. A scissor-type hydraulic lift table will also be purchased to facilitate the maneuvering of equipment in the confined work areas present in the basement.

- The Safety Supervisor's Natural Team began documentation of their latest project - rewriting the maintenance call-in procedure.
- The Compound C-Shift Natural Team made a presentation to management on 5/31. The team justified re-routing the dry blend boxing hopper lines based upon safety and efficiency considerations.

The boxing lines currently run across the silo deck walkway creating a tripping hazard. The team also estimates the lines can be shortened 70 to 80 feet as a result of their proposed re-route.

Intex Plastics (Corinth, MS) visited the plant on May 21. The Intex visitors included Terry Emmons - Quality Control Manager; Sherry Parikh - Process Development Manager; and Jerry Hight - Resource Manager.

The purpose of the Intex visit was to review specifications, discuss unloading problems at Intex, review laboratory procedures and give Intex an overview of our safety programs. Intex was also given general plant, operations and QMP overviews, as well as a plant tour.

QUALITY MANAGEMENT PROCESS - Continued

Dayton Extruded Plastics (Springboro, OH) visited the plant on May 21 & 22. Dan Preston - Material Manager, represented Dayton.

The agenda for the Dayton visit included discussion of dry blend formulation and current and proposed specifications for resin and dry blend. Dan was also treated to our usual dose of overview and tours.

COST VARIANCES - D. C. Skokna

Variable Costs

<u>Product</u>	<u>May. 1991 Variance. \$M</u>			
	<u>Product Mix</u>	<u>Efficiency</u>	<u>Price</u>	<u>Total</u>
PVC	\$ 55.8	\$40.9	\$520.2	\$616.8
Flexible Compound	132.5	< 7.6>	< 300.6>	< 175.7>
Rigid Compound	15.9	< 12.7>	< 105.9>	< 102.6>
Plasticizer	< 0.5>	17.5	< 81.3>	< 63.3>
Total	\$204.7	\$ 38.1	\$ 32.4	\$275.2

Variable Costs:

Operation of all units was near budgeted levels.

Price Variances:

	<u>Variance - \$M</u>
■ VCM	\$465.3
■ Natural Gas	34.3
■ Phthalic Anhydride	< 18.4>
■ Pigments, Colors	< 20.7>
■ Plasticizers	< 38.8>
■ Resin to Flexible Compound	< 62.2>
■ Alfol ^R Alcohols	< 68.6>
■ Resin to Rigid Compound	< 74.5>
■ Other Price Variances	< 184.0>
Total	\$ 32.4

Fixed Cost Variances

	<u>Variance - \$M</u>
■ Payroll and Benefits	\$ 22.0
■ MM&C	33.0
■ Miscellaneous	< 12.7>
■ TI&D	7.1
■ Clearances	< 2.4>
Total	\$ 57.8

Payroll and Benefits - A favorable payroll variance of \$45.7M was partially offset by an unfavorable benefits clearance of \$23.7M.

MM&C - Activity continues below budgeted levels to conserve cash.

Miscellaneous - Contract cost-operating, an unfavorable \$33.9M variance, appears to be due to incorrect entry items not in this category. However, there is \$11M in software maintenance for the VCSM project.

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

Safety

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

The monthly safety meeting topic was "Fire Training."

General

1. Phase 1 of VCSM reactor training was completed. This training focused on the complete system. Phase 2 will emphasize specific reactor programs.
2. The resin raw materials in the 744 account were valued at \$303M.
3. OASIS training was completed and all production models modified as needed to open the month of June.
4. A new rinse nozzle was installed in D700 on May 2. The nozzle in D745 was replaced due to a construction defect. The reactors remain clean.

	<u>May</u>	<u>YTD</u>
- Production, MM Lbs.	40.3	318.3
- Daily Rate, M Lbs./C.D.	1300.4	1310.0
- Capacity Utilization Factor, %	101.9	102.7
- Total Reactor Charges	948.0	7444.0
- Charges/C.D.	30.6	30.8
- Reactor Stream Factor, %	91.3	88.2
- Rotary Dryer Stream Factor (#4-#8), %	90.9	92.4
- Fluid Bed Dryer Stream Factor, %	96.0	94.4
- Resin Quality, % Prime	96.5	98.2

Reactor Downtime

	<u>Hours</u>
■ Operational downtime (recovery scheduling conflicts, charge/rinse water conflicts, Q.C. data delays, dump conflicts and inventory control).	449
■ Maintenance downtime (repair steam valve on D741, D745 condenser cleaning, D700 rinse nozzle, gearbox maintenance D741, D744 seal, VC valve OM, D743 main charge, valve, D700 condenser cleaning.)	195.5

VINYL - Continued

Dryer Downtime

	<u>% of Total Downtime</u>
■ Operational downtime (centrifuge plugs, dryer cleaning, flameouts).	24.5
■ Maintenance downtime (centrifuge maintenance, dryer PM, #5 baghouse screwfeeder motor).	22.3
■ Reactor limited production.	26.3

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

1. The fluid bed dryer wetcake feed screws were changed out when one end of a screw broke off.
2. A VC compressor in the old unit was replaced due to wear. The old compressor is being rebuilt for a spare and will be completed in June.
3. Reactor 744 seal failed due to normal wear after being in service for twenty-seven months. The old seal has been rebuilt for a spare.
4. A defective gasket (reactor 700 seal) was replaced.
5. The screw and bearings on the #7 dryer inlet screw feeder were worn and had to be replaced. The old screw is repairable and will be reinstalled in June.
6. Reactors 700 and 745 condenser tubes were hydroblasted to aid in contamination control.
7. Two major valves were changed out in the Vinyl unit this month.

COMPOUND - J.E. Nickerson, M. R. Kane

Safety

The Compound Department had no OSHA recordable injuries in May. The topic of the monthly safety meeting was "Fire Training".

General

Control of costs and inventories continued to be a high priority during May. Lines were operated only on an as-needed basis and operators from shutdown lines were utilized to cover vacations and other absences to reduce overtime costs.

A test was run to determine the feasibility of producing a natural rigid compound (without titanium dioxide). The entire dryblend system was cleaned thoroughly prior to production. Although the results are not conclusive, the initial feedback from the customer is that the compound still contained too much pigment. The business is being evaluated to determine future direction.

High priority was placed on producing rigid profile compounds that would meet the 40 mesh spec. Procedures were established to help prevent off spec material due to 40 mesh. Included in the procedures are items such as inspection of the screeners once per shift and loading and testing of each railcar compartment as it is produced. Of particular importance has been RP-151 for Dayton Extruded Plastics. The extra precautions have caused a reduction in rates, but they are considered absolutely necessary.

<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	1894	61	12625
Line III	31	3805	123	21574
Line V	11	<u>389</u>	<u>35</u>	<u>2124</u>
Total		6088	196	36322
% Prime		99.0		97.4
Capacity Utilization Factor		73.5		58.6

Downtime

Hours

Line I

- Product Changes	102
- Quality Problems & Control	28
- One Dicer Offline	21
- Miscellaneous Maintenance	13
- Waiting on Raw Materials	12
- Mill Maintenance	7

COMPOUND - Continued

Line III

- Product Changes	68
- Waiting on Raw Materials	20
- One Dicer Offline	20
- Quality Problems & Control	9
- Miscellaneous Maintenance	7

Line V

- Product Changes	39
- Miscellaneous Maintenance	6
- Waiting on Raw Materials	3
- Orbitran Problems	2

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Rigid Compound	31	4523	146	38438
% Prime		99.0		99.5
Capacity Utilization Factor		68.5		79.6

Downtime

Hours

- Product Changes	130
- Quality Problems & Control	74
- Miscellaneous Maintenance	35
- Waiting on Raw Materials	9

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>		
		<u>Month</u>	<u>Avg./Day</u>	<u>Fiscal Y.T.D.</u>
Plasticizer	31	1644	53	12552
% Prime		81.8		84.0
Capacity Utilization Factor		71.3		81.3

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

- The #5 air compressor is being reworked. It locked up while in service and when disassembled it was found that the head and cylinder needed to be reworked and some bearings replaced. The expected completion of rebuild is July when the last parts arrive.
- The #3 air compressor head and cylinder are also being reworked. Expected completion is July.

COMPOUND - Continued

Key Maintenance Work - continued

- The "A" blender gearbox was replaced due to bad bearings.
- The motor on #9 dicer was replaced due to bad bearings.
- The auto greaser on Line I Banbury was installed. The old greaser only lubricated when the gate opened, but the new greaser is on a timer and is much more reliable.

ENGINEERING - S. C. Hillman, M. L. Carter

PROJECTS IN DEVELOPMENT - GENERAL

VCSM

Operator training on reactor software programs was conducted in late May and early June.

The turnaround for conversion of the new reactor module has been re-scheduled to begin July 5 due to resin production demands.

Decalcified Charge Water

The old and new reactor module systems were put into service in early May and mid-June, respectively. In April, there were problems with ion exchange resin contamination of low mole products from the temporary system. A change order has been issued to install an additional filter downstream of the decalcifier vessel in each module for the permanent systems.

Ultraclear 5305

The plant and PED are working on ways to improve 5305 quality for our rigid calendaring customers. The focus of efforts has been on reducing black/brown contamination, fibers, and streamers. Investigative work is being done to identify and classify sources of these contaminants.

Vinyl Debottlenecking Projects

Several projects are being evaluated for debottlenecking the PVC reactors.

One project will be to eliminate the evacuation step by enclosing the dump systems to prevent air from entering the reactor. Slurry culls were sampled to determine the capacity requirements of basket strainers for replacing the dump Sweco. A test of enclosed dumping is being planned for July or August.

Performance testing of the cooling towers will be conducted in July to help determine ways to increase cooling capacity. Summertime cooling capabilities are marginal now with production improvements due to cleanwall.

ABERDEEN CHEMICAL PLANT
APPROVED CAPITAL PROJECTS

AFE NUMBER	PROJECT DESCRIPTION	STATUS
A519	PLANT ELECTRICAL UPGRADE	PROJECT WAS CLOSED TO FIELD CHARGES IN MAY FY 91. FINAL REPORT
A649	VINYL CONTROL SYSTEM MODERNIZATION	NEW MODULE CONVERSION PLANNED FOR JULY T/A.
A909	INERTS REMOVAL MODIFICATIONS	PROJECT IS OPERATIONAL. TARGETED FIELD CLOSURE 4TH QTR. 91
D511	VCM UNLOADING MODIFICATIONS	A PRELIMINARY DESIGN REVIEW MEETING IS SCHEDULED FOR JUNE
D550	RAILCAR ACCESS PLATFORMS	WORKING ON PUNCHLIST ITEMS. TARGETED COMPLETION JULY FY91.
D570	OLD MODULE RECOVERY SYSTEM ACCESS	DESIGN IS COMPLETE. INSTALLATION PLANNED FOR OLD MODULE OUTAGE
D580	RECOVERY VACUUM PUMP PRESSURE REL.	WORK IS PLANNED FOR JULY T/A
D600	PLASTICIZER LOADING. & UNLOADING. MOD.	PUNCH LIST ITEMS REMAINING. TARGETED COMPLETION 4TH QTR. FY91
D749	LEAD HANDLING AND EXPOSURE REDUCTION	PROCESS ENGINEERING IS MONITORING MODIFICATIONS.
D849	COMPOUND LINE 3 SEMI-BULK LEAD HANDLING	MODIFICATIONS AND TEST RUN IS SCHEDULED FOR JUNE
D859	COMPOUND SILO BRIDGE BREAKING	COMPLETED. WILL BE CLOSED TO FIELD CHARGES IN JUNE.
D899	RAILCAR CLEANING RACK	CONSTRUCTION CONTINUES. COMPLETION PLANNED IN JUNE.
F551	DRY BLEND SCREENER REPLACEMENT	SCREENERS WILL BE PLACED ON ORDER IN JUNE. DESIGN WILL BEGIN IN JUNE
F650	5305 RESIDUAL VCM REDUCTION	PROJECT WILL BE CLOSED TO FIELD CHARGES IN 4TH QTR. FY91.
F660	DECALCIFIED WATER	OLD MODULE COMPLETED. NEW MODULE COMPLETION PLANNED IN JUNE.
F699	LOW MOLECULAR WEIGHT RESIN EXPANSION	PROJECT WAS CLOSED TO FIELD CHARGES IN MAY FY91. FINAL REPORT
F779	DRYERS NO. 4 & 5 CONTAMINATION REDUCTION	ENGINEERING IS IN PROGRESS ON MODIFICATION.
G560	TC SPILL CONTAINMENT	PROJECT WILL BE CLOSED TO FIELD CHARGES IN 4TH QTR. FY91.
G561	WASTEWATER INFLUENT EQUALIZATION	DESIGN IS IN PROGRESS. CONSTRUCTION PLANNED TO START IN JUNE.
G610	TC COMPLIANCE PROJECT	TARGETED TO BE CLOSED TO FIELD CHARGES 4TH QTR. FY91
G630	REACTOR SLURRY STRIPPING OPTIMIZATION	MODIFICATIONS PLANNED DURING RX OUTAGE IN JULY.
G659	NEW DRYER BAGHOUSES	NEW MODIFIED SCREENS HAVE ARRIVED. PROJECT IS BEING MONITORED.
G839	PLANT WATER RECYCLE	PROJECT WILL BE CLOSED TO FIELD CHARGES 4TH QTR. FY91
H500	PLANT WATER SYSTEM	ENG. IN PROGRESS. BIDS ARE BACK IN JUNE. TARGETED COMPL. EARLY-92.
H501	MISCELLANEOUS CAPITAL PROJECTS < \$15M	ENGINEERING IS IN PROGRESS ON 7 PROJECTS. 9 PROJECTS COMPLETED.
H510	WEST INCINERATOR REPLACEMENT	INCINERATOR DELIVERED. PROJECT COMPLETION PLANNED FOR 8/91
H531	BOILER FEEDWATER TANK REPLACEMENT	WORK IS PLANNED FOR JUNE/JULY STEAM OUTAGE.
H571	D-745 RX DRIVE SHAFT REPL	CURRENTLY WORKING WITH VENDORS ON PRICING
H620	EAST INCINERATOR REPLACEMENT	INCINERATOR DELIVERED. PROJECT COMPLETION PLANNED FOR 10/91.

ENVIRONMENTAL - K.G. Akins

Water

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

The new NPDES permit requires us to monitor for total lead and hardness once per month in the water we discharge from the plant into James Creek. Based on the data collected, the State has the option to modify our permit to include Mississippi's Water Quality Criteria limits on lead. We have been testing our outfall for total lead and hardness once per week to get a quick idea of where we stand with regard to lead in our wastewater discharge. Based on data collected to date, we are far below the State limits.

A process sewer was found to be leaking oils from the plasticizer unit into a storm sewer. The leak began during a period of above normal flow in the process sewer due to cooling tower repairs. The leak was repaired and the oils trapped with sorbent booms before it left the plant.

A kick-off meeting was held in May to discuss items necessary to comply with the new storm water regulations. Work will begin on the application in June and July.

Superfund

Vista, Conoco, and DuPont Environmental Remediation Services (DERS) met with the MDEQ on May 6 to discuss the final Remedial Investigation report. The state agreed with the DERS recommendation to conduct some resampling. The MDEQ will probably not issue final comments on the report until the results from the resampling are available. Resampling work is scheduled for June.

Vista, Conoco, and DERS met in Houston to discuss removal of the buried drums at Aberdeen. DERS plans to subcontract the job and is getting bids from local contractors.

The MDEQ ruled the resin in Pond 2 is a product and not a waste. This will clear the way for removal of the resin.

Vista and Conoco met with Royal Plastics in May to discuss reclaiming the resin from Pond 2. It appears the resin could be hauled offsite and dried at a Royal facility to be located in Prairie and operated by Sun Polymers.

ENVIRONMENTAL - Continued**General**

The Bureau of the Census Survey of Pollution Abatement Costs and Expenditures for 1990 was completed in May.

We issued an environmentally focussed issue of the plant newsletter in May.

The Aberdeen Chemical Plant's Industrial Toxics Project (ITP) voluntary emissions reduction plan was prepared and submitted to corporate environmental.

I attended a three-day environmental regulation course in Houston May 13-15.

Rendell Newton and I attended the Mississippi Environment 1991 seminar in Jackson on May 30.

Waste

Recertification forms were submitted to renew our Alabama Disposal Approval Number (DAN) for our empty lead/antimony bags. The DAN expired in January, 1991.

The Aberdeen Plant shipped its first load of office and computer paper for recycle in May. We collected 10,000 pounds of office paper and 2,000 pounds of computer paper.

Waste shipments during the month included:

- Bulk shipment of reactor culls to Sun Polymers in Baton Rouge, LA.
- Two drums of stabilizer spill to TES in LaPorte, TX.
- Bulk shipment of waste oil to M&M Chemical in Attalla, AL.

ENERGY CONSERVATION - J. R. Ganc

	<u>May. 1991</u>	<u>Fiscal Y.T.D.</u>
I. <u>Energy Conservation Data</u>		
A. Unadjusted EUI	< 7.62>	< 8.70%>
B. Adjusted EUI	< 6.62>	< 8.12%>
C. BTU/Lb. Product	2673.0	2744.0
D. Total Energy Consumption MMM BTU	140.5	1104.7
II. <u>Boiler Operation</u>		
	<u>Combustion Efficiency %</u>	
<u>Boiler</u>	<u>May. 1991</u>	<u>Fiscal Y.T.D.</u>
No. 1	83.2%	83.1%
No. 2	83.4%	83.4%
No. 3	82.7%	82.8%

HUMAN RESOURCE REPORT**MAY, 1991****Personnel** - J. E. Beall**Employment**

Allan Bodron - Engineering Department - Rehire -
Employee returned to work as a Co-op Engineer.

Michael Schneider - Engineering Department - Rehire -
Employee returned to work as a Co-op Engineer.

Promotions/Transfers

Franklin D. Andrews - Maintenance - Promoted from
Instrument Technician "A" to Maintenance
Supervisor.

Artis Jones - Lab - Reduction in force - employee
exercised seniority into Laboratory "A" Technician
position - Article VIII, Section 3.

Donald Whatley - Compound - Employee promoted from
Compound Utility to Compound Operator.

RETIREMENTS

None.

TERMINATIONS/RESIGNATIONS

William Berlin Genetti - Engineering Department -
Employee returned to school.

TO/FROM LEAVE OF ABSENCE

Coleman Haynes - Compound Department - Returned to work
from military leave of absence to the Persian Gulf.

Human Resource Report
May, 1991
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TO/FROM LEAVE OF ABSENCE - CONTINUED

**Robert Hamilton - Compound Department - Returned to work
from military leave of absence to the Persian Gulf.**

**Charles Reed - Compound Department - Returned to work
from military leave of absence to the Persian Gulf.**

**James Gray - Laboratory - Returned to work from military
leave of absence to the Persian Gulf.**

**James O. Howell - Compound Department - Returned to work
from military leave of absence to the Persian Gulf.**

ABERDEEN PLANT**MONTHLY PERSONNEL REPORT****MAY, 1991**

EMPLOYMENT		NEW HIRES		MO	YTD
Salaried	74	Salaried/Transfer		0	0
Hourly	167	Hourly		0	0
Temporary	3	Temporary		*2	3
SUB TOTAL	244	TOTAL		2	3
L.O.A.	0				
TOTAL	244	* Co-ops			

DEPARTMENTS	#EMPLOYEES	M	F	%M	%F	DEPARTMENT TURNOVER		ANN. %
						MO.	YTD	
WAREHOUSE	15	9	0	60%	0	0	0	0
GENERAL PLANT	12	5	0	42%	0	0	0	0
MAINTENANCE	39	8	0	20.5%	0	0	0	0
LABORATORY	24	5	2	20.8%	8.3%	0	0	0
COMPOUND	39	23	1	59%	2.6%	0	1.2%	1.7%
VINYL	33	10	1	30%	3.0%	0	0	0
PLASTICIZER	5	2	0	40%	0	0	0	0
SUB TOTAL	167	62	4	37.1%	2.4%			
SALARIED	74	7	18	9.5%	24.3%			

APPLICATIONS	No.	%	PLANT TURNOVER	No	%
Month	0	0	Hourly Month	0	0
YTD	0	0	YTD	2	2.9%
Minority	0	0	Salaried Month	0	0
Female	0	0	YTD	5	1.6%

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DEPARTMENTAL SUMMARY HOURS REPORT

..... Monthly

May, 1991

Department	Overtime			Paid Absences							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		Long-term Disability	Total Abs % of S/T
YARD	1465.25	223.50	18.53	48.00	80.00	2.00	.14	0.00	0.00	0.00	0.00	.14	228
UTILITY	804.00	57.50	10.14	24.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36
MAINTENANCE	6073.75	571.00	9.73	20.00	280.00	28.25	.47	0.00	0.00	0.00	120.00	2.44	560
QC LAB	3584.25	206.25	8.77	108.00	180.00	4.25	.12	0.00	0.00	16.00	0.00	.56	144
JANITORS	384.00	24.50	6.38	0.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
WAREHOUSE	1296.00	150.00	13.70	27.50	56.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56
STORES	311.25	3.75	1.20	0.00	16.00	.75	.24	0.00	0.00	0.00	0.00	.24	80
DEVELOPMENT LAB	886.25	13.50	3.50	17.50	40.00	.75	.08	0.00	0.00	0.00	0.00	.08	88
DRY BLEND	1148.00	41.00	7.75	48.00	64.00	4.00	.35	0.00	0.00	0.00	0.00	.35	0
COMPOUND	7071.75	932.00	16.65	245.75	364.00	69.75	.99	0.00	0.00	24.00	336.00	6.08	324
VINYL	7000.00	941.50	16.59	220.00	352.00	65.00	.93	0.00	0.00	0.00	132.00	2.81	612
PLASTICIZER	964.00	21.00	4.67	24.00	48.00	15.00	1.56	0.00	0.00	0.00	0.00	1.56	60
Total Plant =====>	30988.50	3185.50	12.81	782.75	1536.00	189.75	.61	0.00	0.00	40.00	588.00	2.64	2188

JUNE 2, 1991

Pay Period ending

Printed
6/06/91

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

Department	Overtime			Paid Absences							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		Long-term Disability	Total Abs % of S/T
YARD	6720.25	802.00	14.08	144.00	240.00	15.00	.22	12.00	0.00	0.00	0.00	.40	524
UTILITY	3420.00	281.00	9.97	60.00	120.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	228
MAINTENANCE	27399.50	3058.00	11.38	60.00	856.00	160.50	.59	16.00	0.00	48.00	600.00	3.01	2788
QC LAB	14482.25	1155.50	9.30	192.00	484.00	30.25	.21	0.00	0.00	16.00	0.00	.32	804
JANITORS	1591.25	34.25	2.15	0.00	48.00	9.50	.60	0.00	0.00	0.00	0.00	.60	96
WAREHOUSE	5667.50	456.50	8.54	27.50	168.00	17.00	.30	16.00	0.00	40.00	72.00	2.56	200
STORES	1566.75	12.25	.78	0.00	48.00	1.25	.08	0.00	0.00	0.00	0.00	.08	136
DEVELOPMENT LAB	4168.00	166.25	5.16	48.75	128.00	2.75	.07	24.00	0.00	56.00	0.00	1.99	240
DRY BLEND	4316.75	101.75	3.47	48.00	144.00	11.25	.26	0.00	0.00	36.00	84.00	3.04	140
COMPOUND	29614.75	2436.50	9.10	257.75	920.00	191.50	.65	0.00	0.00	72.00	1808.00	6.99	1528
VINYL	31310.50	3957.25	14.67	636.00	1072.00	163.75	.52	0.00	0.00	24.00	552.00	2.36	1608
PLASTICIZER	4030.75	234.25	7.30	60.00	132.00	48.25	1.20	0.00	0.00	0.00	0.00	1.20	396
Total Plant =====>	134288.25	12695.50	10.60	1534.00	4360.00	651.00	.48	68.00	0.00	292.00	3116.00	3.07	8188

Pay Period ending June 2, 1991

ADMINISTRATIVE SERVICES - D. A. Barclay**Safety**

There were no reportable safety instances this month.

Quality

All natural teams met in May. The accounting group natural team made a management presentation on mail cost reduction. Savings is estimated at \$10M.

Statistics

<u>Processed</u>	<u>Month</u>	<u>Y.T.D.</u>
Processed Invoices	1103	7234
Working Fund Checks Written	18	99
Cost Savings Through Bid Process	\$2899	\$20396
Raw Material Purchase Orders Issued	111	646
MRO/AFE Purchase Orders Issued	206	1438
Spare Parts Purchase Orders Issued	181	1359

Packaged Finished Goods Ending Inventory

	<u>Apr... 1991</u>	<u>May... 1991</u>	<u>(Decrease)</u> <u>/Increase</u>
Compound "A" Grade	4,111,348	4,008,228	< 92,306>
PLENEX	88,592	97,949	9,357
Compound Off-Grade (BC)	464,049	317,645	<146,404>
Compound Off-Grade (H)	46,460	49,787	3,327
Millscrap(*)	41,432	76,730	35,298
Dry Blend "A" Grade	258,968	517,995	259,027
Dry Blend Offgrade	124,737	167,586	42,849
Resin Type I	649,200	636,250	< 12,950>
Resin Type "BC"	37,500	100	< 37,400>
Vacuum Dust	<u>291,362</u>	<u>227,095</u>	<u>< 64,267></u>
Total Packaged Warehouse	6,344,493	6,013,648	<330,845>

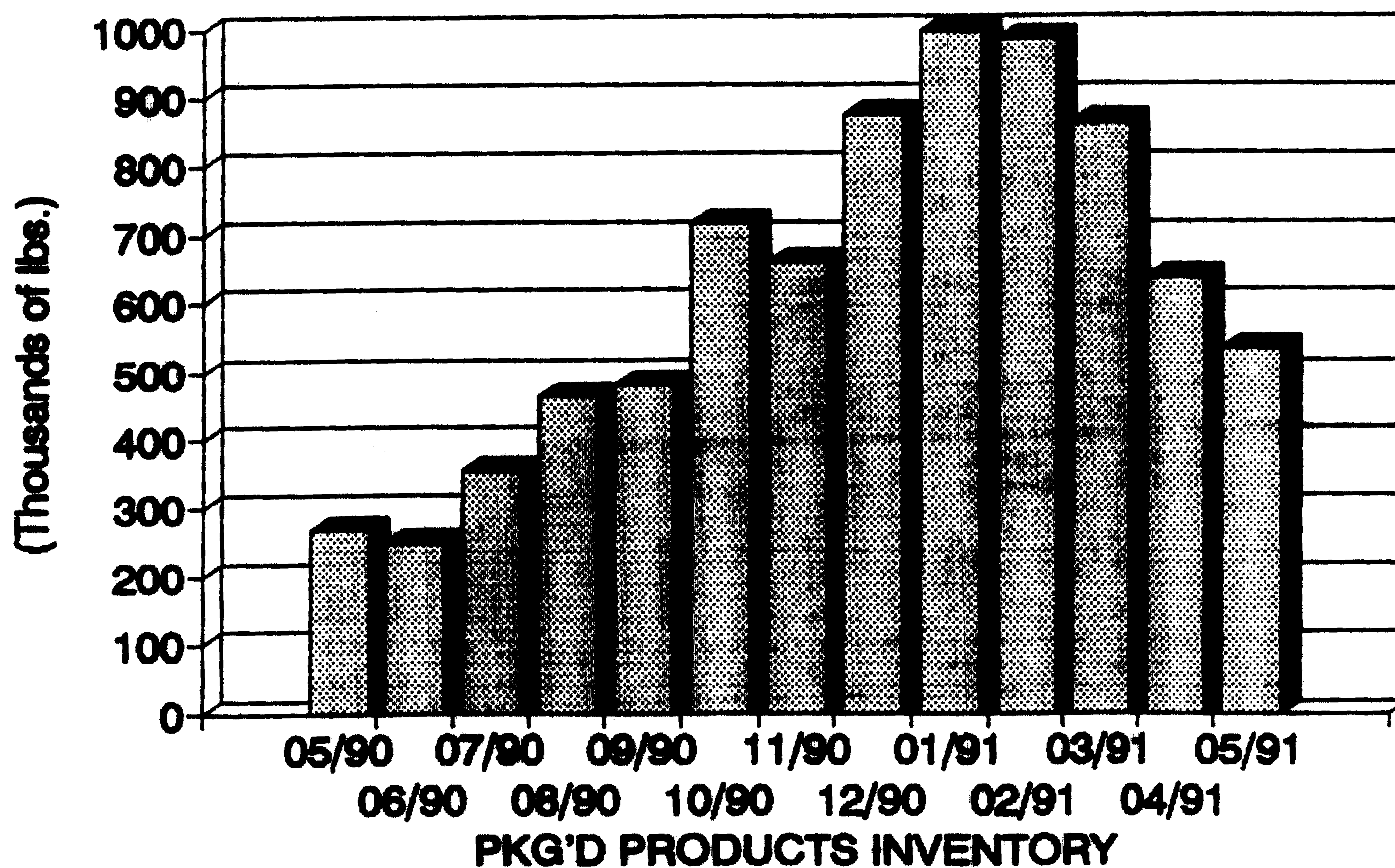
* Includes PLENEX millscrap and cleanout.

Bulk Finished Goods Ending Inventory

	<u>Apr... 1991</u>	<u>May... 1991</u>	<u>(Decrease)</u> <u>/Increase</u>
Compound "A" Grade	1,039,762	752,156	< 287,606>
Compound Offgrade	177,500	177,500	0
Dry Blend "A" Grade	2,185,510	2,592,530	407,020
Dry Blend Offgrade	594,860	816,160	221,300
Resin "A" Grade	8,067,700	8,509,718	422,018
Resin Offgrade	<u>1,189,150</u>	<u>1,959,950</u>	<u>770,800</u>
Total	12,254,482	14,808,014	1,533,532

FLEXIBLE & RIGID OFF-GRADE

MAY '90 THRU MAY '91



ABERDEEN CHEMICAL PLANT
SHIPPING ANALYSIS
MAY 1991

-SHIPMENTS BY PRODUCTS-	MONTH			YTD		
	PUBLIC	IPT/ITC	EXCH/TOLL	PUBLIC	IPT/ITC	EXCH/TOLL
RESIN-BULK	21,456,810	10,394,080	0	160,872,294	101,422,500	1,777,400
RESIN-PACKAGED	338,990	155,700	0	1,929,604	1,580,650	0
FLEXIBLE COMPOUND-BULK	902,770	1,254,900	0	5,823,030	8,995,350	0
FLEXIBLE COMPOUND-PACKAGED	4,497,035	0	0	23,650,364	751,502	0
NEW BUSINESS	34,608	0	0	93,288	0	0
RIGID COMPOUND-BULK	1,845,260	666,050	0	27,665,050	4,766,100	0
RIGID COMPOUND-PACKAGED	349,629	178,050	0	2,832,808	699,756	0
TOLLING - BULK	0	0	0	0	0	1,401,960
TOLLING - PACKAGED	0	0	0	0	0	33,600
PLASTICIZER	0	378,110	0	779,150	1,480,530	3,652,160
TOTAL	29,425,102	13,026,890	0	223,645,588	119,696,388	6,865,120

-SHIPMENTS BY MODE-				
BULK:				
	RAILCAR	CUSTOMER PICKUP	COMMON CARRIER	TOTAL
MAY				
RESIN	161	42	39	242
FLEXIBLE COMPOUND	10	0	8	18
RIGID COMPOUND	15	2	12	29
PLASTICIZER	2	0	1	3
TOTAL MAY	188	44	60	292

YTD				
RESIN	1,305	341	305	1,951
FLEXIBLE COMPOUND	78	0	32	110
RIGID COMPOUND	184	26	86	296
PLASTICIZER	20	29	27	76
TOTAL YTD	1,587	396	450	2,433

PACKAGED:					
	CUSTOMER PICKUP	COMMON CARRIER	TOFC	AIR/UPS	AIR/UPS
MAY					
RESIN	3	12	0	0	12
FLEXIBLE COMPOUND	26	113	0	0	2
RIGID COMPOUND	1	19	0	0	0
PLASTICIZER	0	1	0	0	0
TOTAL MAY	30	145	0	0	14

YTD					
RESIN	25	98	0	0	49
FLEXIBLE COMPOUND	193	593	0	0	71
RIGID COMPOUND	7	112	0	0	4
PLASTICIZER	0	3	0	0	0
TOTAL YTD	225	806	0	0	124

CC: DAB, TLC, AEV, JRF

VAB.0001189697

06/08/91

ABERDEEN CHEMICAL PLANT
PRODUCT RETURNS
MAY 1991

DATE	CUSTOMER	LOCATION	PRODUCT	CODE	DESCRIPTION	BLEND #	QTY.	CR #	SHIPPED	ORDER #	INVOICE #	DISPOSITION/REMARKS
05/08/91	ARIZONA ELEC	AZ, PHOENIX	CMPO	9009-00	419-86C PLEN	11C09	BAGS	750 01384	01/14/91	889493-003	2221582	DID NOT FIT CUSTOMER'S APPLICATION
							Sub	750				
05/20/91	BELDEN	IN, RICHMOND	CMPO	9009-00	419-50C PLEN	11E21	BOXES	1,573 01385	04/10/91	903237-002	2233716	DID NOT FIT CUSTOMER'S APPLICATION
							Sub	1,573				
05/29/91	DAYTON EXTRUDED	OH, MIAMISBURG	DB	1619-19	RP-151 WHT145	VIPX45290	BULK	141,600 01390	04/05/91	877548-068	2233458	3 CMPTS RETURNED-QUALITY
05/29/91	DAYTON EXTRUDED	OH, MIAMISBURG	DB	1629-19	RP-151 WHT145	UTCX46587	BULK	78,600 01391	03/25/91	877548-070	2231800	PRODUCT QUALITY
05/29/91	DAYTON EXTRUDED	OH, MIAMISBURG	DB	1619-19	RP-151 WHT145	VIPX45290	BULK	47,200 01390	04/26/91	877548-075	2236230	"CA" CMPT FROM PLWX44676-QUALITY
							Sub	267,400				
05/28/91	FURON	OH, AURORA	CMPO	9000-99	419-50C PLEN	11E15	BOXES	1,774 01386	03/22/91	904185-001	2232112	DID NOT FIT CUSTOMER'S APPLICATION
							Sub	1,774				
05/09/91	IPC CORINTH	MS, CORINTH	RESIN	1849-11	5385-1	PLCX46853	BULK	183,200 01346	04/23/91	803882-205	2235822	CUST REJECTED-MOISTURE
							Sub	183,200				
05/03/91	KLOCKNER-PENTAPLAST	VA, GORDANVILLE	RESIN	1822-01	5305	UTCX46436	BULK	43,460 01345	03/25/91	841619-267	2231802	CUST REJECTED-CONTAMINATION T-9202
05/03/91	KLOCKNER-PENTAPLAST	VA, GORDANVILLE	RESIN	1822-01	5305	UTCX46436	BULK	26,420 01345	03/25/91	841619-267	2231802	CUST REJECTED-CONTAMINATION-T-492
05/03/91	KLOCKNER-PENTAPLAST	VA, GORDANVILLE	RESIN	1822-01	5305	UTCX46436	BULK	43,260 01345	03/25/91	841619-267	2231802	CUST REJECTED-CONTAMINATION T-9036
05/03/91	KLOCKNER-PENTAPLAST	VA, GORDANVILLE	RESIN	1822-01	5305	?	BULK	17,620 01345	?	?	?	CUST REJECTED-CONTAMINATION T-492
05/29/91	KLOCKNER-PENTAPLAST	VA, GORDANVILLE	RESIN	1822-01	5305	UTCX46486	BULK	176,500 01387	04/09/91	841619-270	2233620	CUST REJECTED-QUALITY
05/29/91	KLOCKNER-PENTAPLAST	VA, GORDANVILLE	RESIN	1822-01	5305	UTCX46437	BULK	168,950 01388	04/10/91	841619-271	2233708	CUST REJECTED-QUALITY
05/29/91	KLOCKNER-PENTAPLAST	VA, GORDANVILLE	RESIN	1822-01	5305	UTCX46412	BULK	181,750 01389	04/12/91	841619-272	2233814	CUST REJECTED-QUALITY
							Sub	657,960				
05/06/91	NORTHWIRE	WI, OSCEOLA	CMPO	1346-00	38552 NAT	31F06	BOXES	1,310 01383	04/17/91	905513-001	2235834	CONTAMINATION
							Sub	1,310				
5/29/91	STAGE COACH	TX, PLAINPORT	RESIN	1842-10	5415WEC	UTCX46490	BULK	188,350 01349	05/21/91	853317-012	2240664	SHIPPED IN ERROR TO UNITED-LEAVE AT UNITE
							Sub	188,350				
5/20/91	VINYL BUILDING	NJ, OAKLAND	DB	1615-12	RP-20 WHT121	VIPX45717	BULK	164,050 01347	05/08/91	882183-032	2238388	HELD UP-CONTAMINATION
							Sub	164,050				

VINYL BUILDING

B.0001189698

5/29/91 VISTA: 8105-WILN DE, WILMINGTON RESIN 1842-00 5300 01021 04/04/91 03/710 012 00000000 REVISED DUBLIN

107,430 01021

Sub 164,250

5/29/91 VISTA: UNITED DIST TX, HOUSTON RESIN 1842-00 5415 01348 05/22/91 904607-006 2240756 SHIPPED WRONG CAR-UTCX46490-RESHIP

180,200 01348

Sub 180,200

5/29/91 VULCAN PLASTICS AL, ATHENS RESIN 1850-00 5385-3 PIPE 01350 05/24/91 806125-278 2241202 *CB* CNPD OFF-SPEC

5/08/91

AMERDEEN CHEMICAL PLANT
PRODUCT RETURNS
MAY 1991

DATE	CUSTOMER	LOCATION	PRODUCT CODE	DESCRIPTION	BLEND	CONC.	LBS	CR	SHIPPED	ORDER	INVOICE	DISPOSITION/REMARKS
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Sub 177,850

Sub 1,988,667

LABORATORY - J. M. Edwards

A. Safety

There were no safety incidents in the Laboratory during May. The monthly safety meeting topic was "Fire Fighting" taught by the Safety Department.

B. Customer Contacts

There were four customer contacts made during the month.

A meeting was held at Intex in Corinth, MS on 5/12 with Mark Manion, Eric Stouder, Harold Coleman and Jim Edwards to discuss 5415 product specifications and to help solve a "window" problem in thin flexible film applications.

On 5/20, Dan Preston with Dayton Extruded Plastics, visited the Plant to discuss 5385 and RP-151 specifications.

On 5/21, several representatives from Intex visited the Plant. The Intex group was given the Plant "Quality Presentation" and a tour. Environmental and safety subjects were discussed. Proposals for 5415 resin specifications were negotiated also.

On 5/29, a representative from NAPCO and a consultant visited the Plant. The two were given the Plant "Quality Presentation" and the NAPCO representative was given a plant tour. NAPCO is interested in purchasing dry blend for siding manufacturing and eventually resin for their own blending unit.

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

05/02 Master-Halco, Inc., Ilney, IL

The customer complained that 45541 Natural compound ran inconsistent. Variation from two lots of material made on two different lines caused the variability. Line I material was preferred over Line III material.

05/03 Dayton Extruded Plastics, Miamisburg, OH

Customer complained of greater than 10% on the 200 mesh sieve analysis for a 5385 truck shipment. The Aberdeen lab analyzed the truck to be 9.6% on the 200 mesh. DEP accepted and used the shipment without problems.

LABORATORY - Continued

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

5/06 United Thermal Plastics. Philadelphia. PA

The customer complained of receiving RP-34 WHT 142 instead of RP-34 WHT 141 as ordered. Apologies were made and the customer was able to use the material anyway.

5/07 Dayton Extruded Plastics. Miamisburg. OH

The customer complained of high percentage on 40 mesh, "Blue Waxy Ball" contamination and low fusion torque readings on three compartments of RP-151 railcar VIPX 45290. They were returned.

5/07 Dayton Extruded Plastics. Miamisburg. OH

The customer complained of unmelted wax and excessive contamination in RP-151 railcar VIPX 45200. Also, UTCX 46587 had two compartments with high percentages on the 40 mesh. The material was returned to the Plant.

5/09 Tandy Cable Products. Ft. Worth. TX

The customer complained of leaves, bark and polyethylene contamination in a hopper truck shipment of 39032 BLK compound.

05/13 Dayton Extruded Plastics. Miamisburg. OH

The customer complained that RP-151 railcar 44676 was too yellow. Investigation showed that Vista's color targets were different than DEP's requirements. An adjustment was made in formulation to correct this difference.

The customer complained of high percentage on the 40 mesh of compartment "A" and undispersed wax prills in RP-151 railcar PLWX 44676. This material was returned.

LABORATORY - Continued

C. Customer O.C. Problem Reports and CRR's - Continued

The customer complained that all bolts on the railcar compartment bottom outlets were frozen from corrosion on PLWX 44676. During the investigation, the originator could not be found to answer questions concerning why the bolts had to be loosened.

05/13 Dayton Extruded Plastics, Miamisburg, OH

The customer complained that 5415 lot 19720 caused a lumpy finish on co-extruded flexible compound. Retains and samples sent to Aberdeen showed low hard particles. Aberdeen and DEP suspect raw (unplasticized) resin leakage in the DEP process that caused the problem.

05/16 Vycon, Scranton, PA

The customer complained of burning and sticking with undispersed blowing agent in RP-461 WHT 110 railcar UTCX 46505. The material in this car was manufactured at the same time several trucks of RP-461 were made which ran great. It is suspected that this material is very sensitive to transfers. Railcar material is subjected to more material handling than truck shipments.

05/16 Thermal Industries, Pittsburgh, PA

The customer complained of boxes collapsing of RP-34 WHT 142 when stacked three high. They ask that we only put 1300 pounds net in each box. These are the Premiere boxes and they are not as strong as the Aberdeen boxes.

LABORATORY - Continued

C. Customer Q.C. Problem Reports and CHR's - Continued

05/21 Cablec. DuQuoin. IL

The customer complained that because of lower than contract inventories of 38611 BLK in Aberdeen, 7485 pounds were shipped instead of a 42,000 pound order. Customer ran out of material.

05/28 American Mirrex. Delaware City. DE

The customer complained of line scale from 5305 railcar VIPX 45864. This line scale problem is the same one discussed at the last Plant meeting with Mirrex.

05/28 Chelsea

The customer complained of an experimental car of 489-100A WHT 144 that had two compartments which experienced "rat holing" while emptying the car. R&D is investigating.

05/28 Klockner-Pentaplast. Gordonsville. VA

The customer complained that 5305 railcar UTCX 48070 produced "grainy film". Calcium analysis of retains showed high calcium concentrations. This resin was made through the old decalcification system just before it was shut down permanently. It is suspected that a manual valve turning sequence was misaligned.

05/29 Flexible Technologies. Abbeville. SC

The customer reported "grainy" finish on vacuum cleaner hoses. High moisture content in 57121 WT CL 327 was the cause. Several boxes were returned to Aberdeen because of cloudy-looking (high moisture) pellets.

LABORATORY - Continued

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

05/29 Available, Huntsville, AL

The customer complained that the last six trucks of 80273G has not processed as well and has a different color (not as white) as material they use to get. Ted Nickerson is investigating.

05/31 Prestolite, Sidney, NE

The customer complained of streamers in a hopper truck of 35031 Natural. A formal written explanation was sent.

05/31 Vinyl Building Products

The customer complained of lower gloss and lower impact strength than typical RP-20 WHT 121.

D. Product Waivers

<u>Customer</u>	<u>Product</u>	<u>Reason</u>	<u>No.</u>
Dayton Extruded Plastics	RP-151 WHT 145	"L" Color	1 R/C
Electriflex	58661 GRY 550	Hard Particles	1 H/T
H&W Plastics	5385-3P	Static Flow & Contamination	2 H/T
Intex	5305	Inherent Viscosity	1 R/C
Stylecrest	RP-27 WHT 113	40 Mesh & F. Torque	1 R/C
Vinyl Building Products	RP-20 WHT 121	Stability	1 R/C
Vycom	RP-461 WHT 110	40 Mesh	2 H/T

LABORATORY - Continued

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 May, 1991.

	<u>Reactor</u> <u>Slurries</u>	<u>5265</u>	<u>Drier</u> <u>5305</u>
Number of Samples	947	0	98
Average RVCM, ppm	41		0.491

RVCM of Shipment Samples

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

<u>Product</u>	<u>Number of Samples</u>	<u>Average RVCM, ppm</u>
5265	3	0.050
5305	123	0.121
5325	0	
5385	61	0.301
5395	1	0.011
5415	68	0.050
Debox	16	0.449
Pond	4	0.045
Dry Blend	13	0.041

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

	<u>5305</u>	<u>5385</u>	<u>5415</u>
Bulk Density	0.92	1.16	1.33
Inherent Viscosity	0.69	0.41	0.64
(vs. 0.715-0.744)	0.31	----	----
"L" Color	0.96	1.93	2.83
"a" Color	2.67	----	----
"b" Color	0.87	1.44	2.50
% on Pan	3.83	7.83	7.83
(vs. 2% max.)	----	----	2.83
% thru #140	2.43	4.10	7.17
Mets I.R.	----	----	4.51
(vs. 95% of Control)	----	----	2.16
Hard Particles, (% > 10)	----	10.2	4.2
Average Particle Size, Microns	172	180	190

There was no 5265 or 5395 produced during May.

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	327.8	<5.26>	6.0	<0.10>
Color			10.9	<0.17>
Hard Particles			123.4	<1.98>
Contamination			2.1	<0.03>
Dicing			12.0	<0.19>
Cross Contamination			1.6	<0.03>
Streamers			3.2	<0.05>
Metal			2.8	<0.04>
Totals	327.8	<5.26>	162.0	<2.60>

H. Rigid Compound Quality Summary

	<u>Rejections</u>	
	<u>M Lbs.</u>	<u>(%)</u>
Color	5.6	<0.12>
40 Mesh	14.3	<0.32>
Moisture	12.9	<0.29>
Total	32.8	<0.73>

I. Miscellaneous

1. All natural teams met once during the month.
2. Assistance was given to the OASIS implementation team to help set up hardware.
3. Hardware connections are now complete and the software for lab data entry in the Vinyl VAX computer is continuing.
4. A precision study of the resin viscosity instrument was completed which showed almost all variation currently is due to the instrument ($\pm .0075$ for 3 sigma control limits). Work is underway to reduce this variation.

SAMPLE SHIPMENTS

MAY 1991

RESIN

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
5/01/91	5415	1 kg.	FABRICA ARGENTINA DE ALPARGATAS SAIC
5/01/91	5385	5 kg.	PEVECE S.A. (Argentina)
5/01/91	5305	50 lbs.	Alcan Building Products
5/03/91	5385	50 lbs.	PLASTIGAMA (Ecuador)
5/03/91	5265	10 kg.	ANIONS S.A. (Argentina)
	5305	10 kg.	
5/03/91	5265	10 kg.	VINISA FUEGUINA
	5305	10 kg.	(Argentina)
5/03/91	5265	3 kg.	PAVCO (Columbia)
	5305	3 kg.	
	5385	3 kg.	
5/03/91	5265	10 kg.	PRINCZ S.A. (Argentina)
	5305	10 kg.	
5/07/91	5385	10 kg.	NEOPLAX S.A. (Argentina)
5/08/91	5385	5 lbs.	RJF International Corp.
	5395	5 lbs.	
	5415	5 lbs.	
5/06/91	5385	10 kg.	NEOPLAZ S. A. (Argentina)
	5415	10 kg.	
5/13/91	Pond Resin	2 lbs.	H. Heller and Co.
5/15/91	5305	100 lbs.	AGRICOMINSA
5/17/91	5265	200 lbs.	PVC Container Corp.
5/17/91	5415	50 lbs.	Gary Corporation
5/20/91	5385	5 kgs.	IND. E COM. CARDINALI
5/20/91	5415 Control	50 lbs.	Vista - OKC
5/22/91	5385	50 lbs.	INTERNACIONAL PROCURACIONES

Sample Shipments/May 1991
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RESIN (Cont.)

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
5/22/91	5265	50 lbs.	CONDUCOMER
	5415	50 lbs.	
5/23/91	5325	100 lbs.	Polycast
5/28/91	5385	5 kg.	FIOS E CABOS PLASTICOS (Brazil)
5/29/91	5265	50 lbs.	Eri Extrusion Inc.
	5305	50 lbs.	
5/29/91	5385	50 lbs.	Synthetic Products

COMPOUND

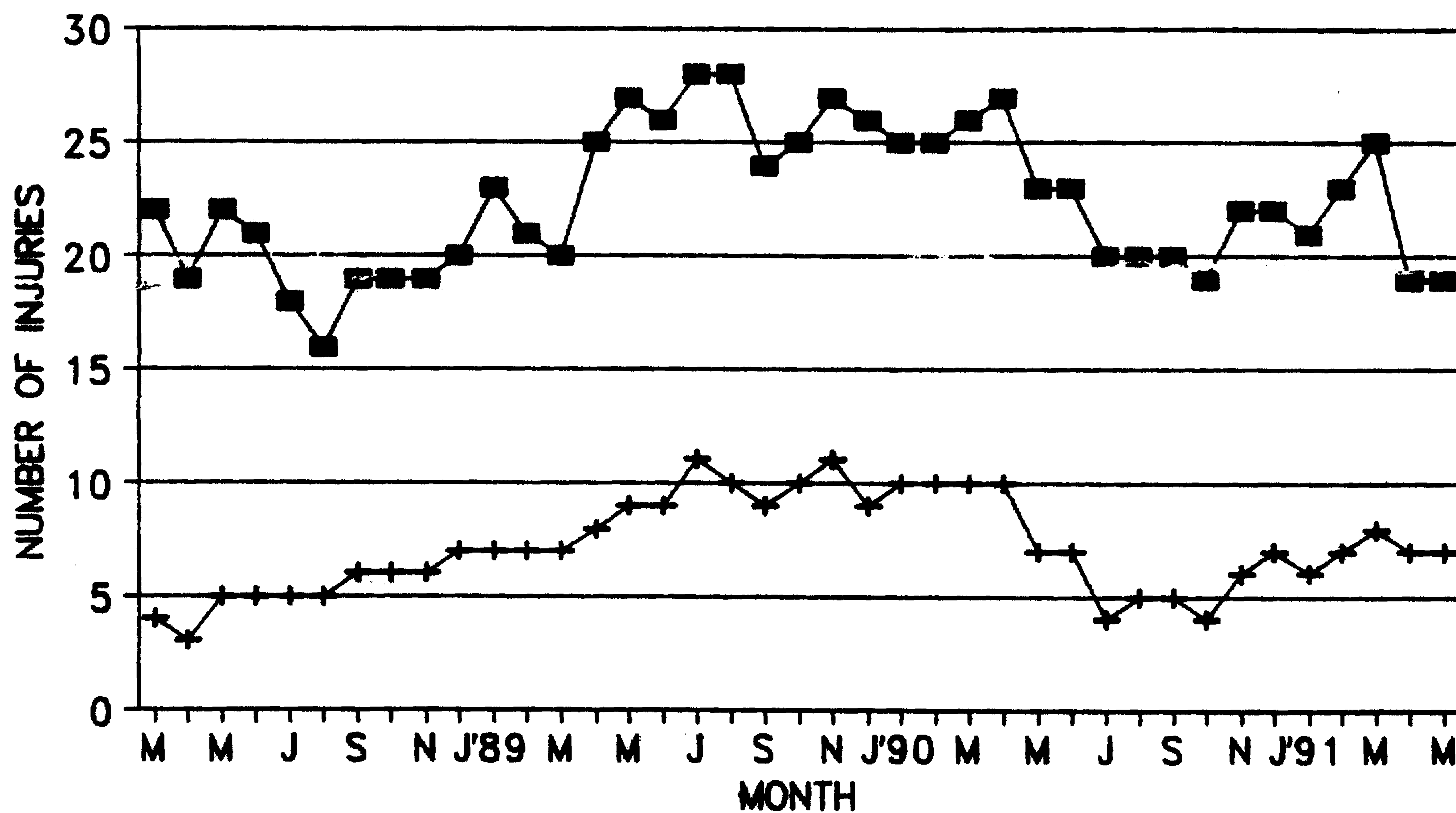
<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
5/02/91	34311 NAT	200 lbs.	Tandy Wire & Cable
5/06/91	419-73-A NAT 02	400 lbs.	Arizona Electric Fabricators Inc.
5/07/91	54431 CB 50	100 lbs.	Tandy Wire & Cable
5/10/91	416-194-1	500 lbs.	Furon Company
	419-103-C NAT 02	500 lbs.	
5/16/91	18831 WTCL	100 lbs.	Florida Central Extrusion
5/17/91	46234A BLK	600 lbs.	LOF
5/30/91	35852 NAT 02	1500 lbs.	Savannah Wire & Cable Co.

DRYBLEND

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
5/02/91	489-106A NAT	1300 lbs.	General Binding Corp.
5/06/91	489-108A WHT 144	4200 lbs.	Chelsea Building Products
5/29/91	489-116 WHT 145	1300 lbs.	Dayton Extruded Plastics

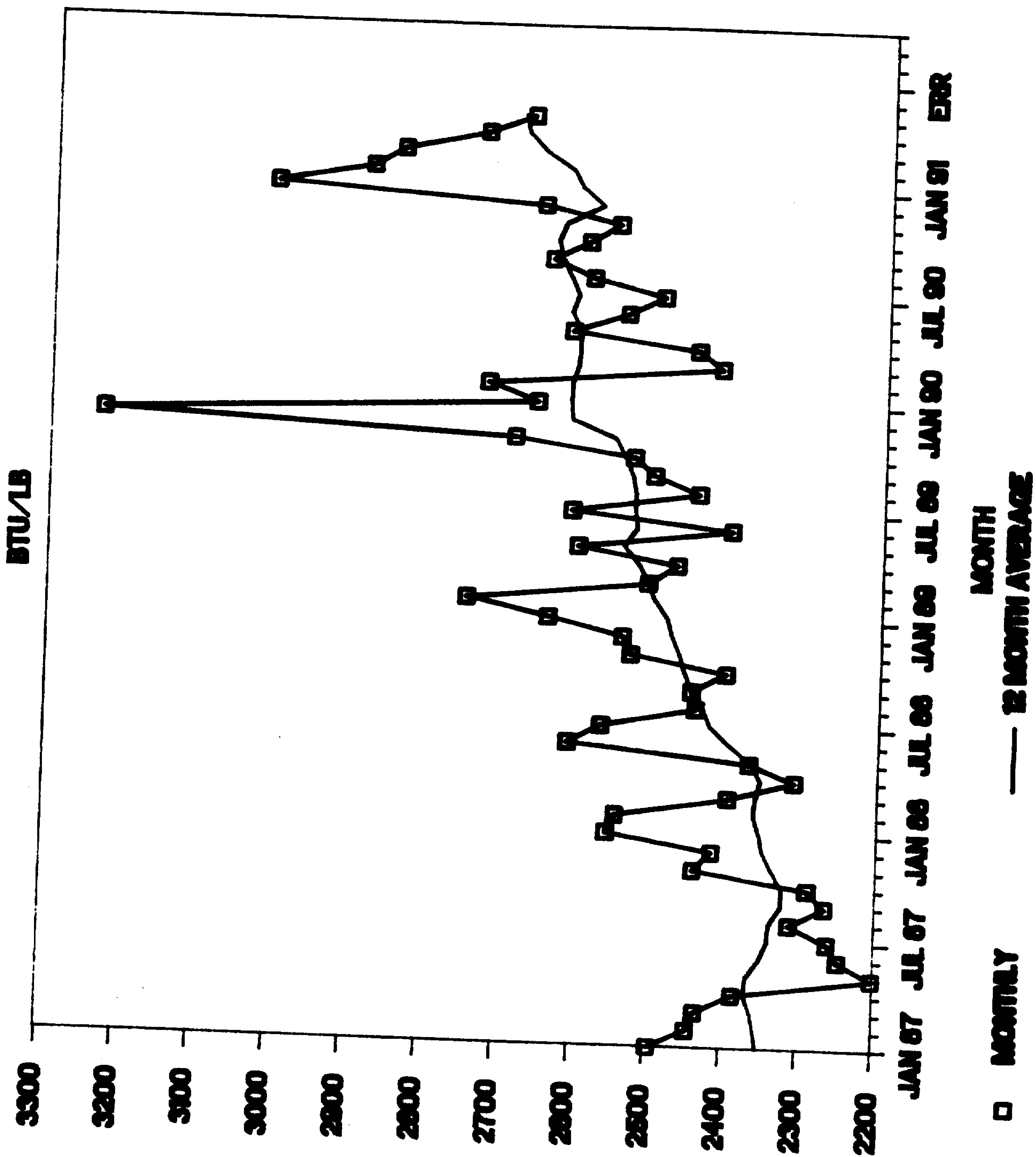
ABERDEEN CHEMICAL PLANT INJURIES

(Twelve Month Running Totals)



—■— TOTAL INJURIES —+— OSHA RECORDABLE

ABERDEEN ENERGY CONSUMPTION



BTU/LB