

File Copy A

To: T. H. Huffman

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

Subject: ABERDEEN MONTHLY PROGRESS REPORT
OCTOBER, 1991

Interoffice
Communication

VISTA

Safety

There were one first aid and one recordable cases reported during October. The recordable case was due to a mechanic who suffered a sprained ankle.

On October 11, the plant completed 6,000,000 hours since the last lost time injury. At month's end, the plant's employees have worked 4501 days (6,025,330 manhours) since the last lost time injury.

FY1991 Key Statistical Information

	<u>Oct.</u>	<u>Y.T.D.</u>
PVC Production, MM Lbs.	29.4	29.4
Reactor Stream Factor, %	65.8	65.8
Resin Quality, % Prime	97.0	97.0
VCM Efficiency, Lbs./Lb.	1.0264	1.0264
Flexible Compound Production, MM Lbs.	6.09	6.09
Flexible Compound Quality, % Prime	95.7	95.7
Rigid Compound Production, MM Lbs.	2.94	2.94
Rigid Compound Quality, % Prime	96.7	96.7
Plasticizer Production, MM Lbs.	1.56	1.56
Plasticizer Quality, % Prime	78.1	78.1
Energy Use, (EUI, %)	< 12.3>	< 12.3>
Fixed Cost Variance, \$M	24.7	< 24.7>
Variable Cost Efficiency Variance, \$M	< 24.6>	< 24.6>

Operations

An Old Module turnaround and conversion to the VCSM began on October 18. Both modules were down for three days to convert common equipment. All reactors were producing resin by November 7.

The new dry blend screeners were installed and successfully started up. Schedules are tight on the flexible compound lines.

T. H. Huffman

11/25/91

Aberdeen Monthly Progress Report - October, 1991

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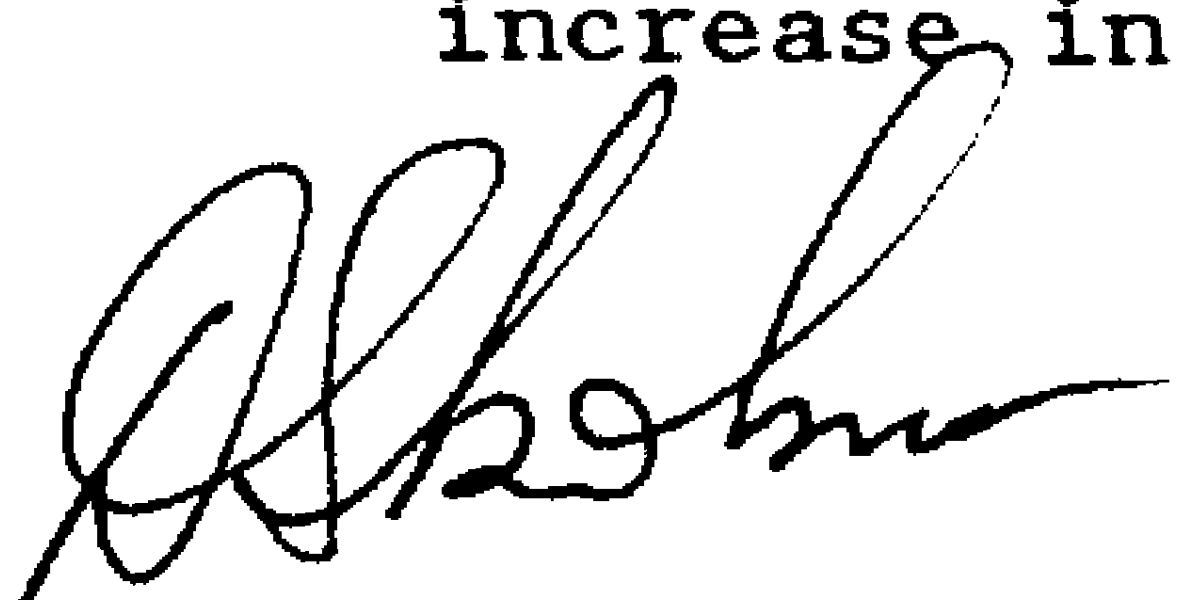
Costs

Variable costs (efficiency) were above budget due to an accounting error for the PVC initiators.

Above budget costs related to the VCSM conversion/turnaround in the Old Module were offset by a tax credit that reversed an estimated FY91 tax liability. Overall, fixed costs were slightly favorable.

OMP

- Dayton Extruded Plastics (rigid compound customer) visited the plant to discuss product specifications.
- Quality Appreciation Day IV was held to recognize team successes during FY91; thirty-nine teams received awards.
- Seven employees attended "Excellence in Mississippi".
- The Maintenance Area I Team made a presentation to management. Their project improved the safe access to equipment inside the VCM sphere dike wall.
- Vinyl "C" shift personnel presented a project to management that purges VCM from filter packs. This eliminates disposal of the spent filter element as a hazardous waste.
- The Copier Team recommended a new copier to management that improves service and reliability at no increase in costs.


D. C. Skokna
Plant Superintendent

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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
	C. R. Miller		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>LGCP 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>Premiere</u>	P. L. Foote		X
<u>Aberdeen</u>	RWS/DCS (File Copy), TJA, JBA, JEB, JME, SCH, DAB, DAM, JEN, JDO, BLT		

SAFETY - B. L. Trego

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

Injuries by Department

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

Injuries by Type

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

Non-Occupational Injuries

Lost Workday Cases	1	1	2
Days Lost	3	3	24

Contractor Injuries

First Aid Cases	2	2	1
Medical Treatment Cases	0	0	0
Lost Workday Cases	0	0	1

Safety Record

Last lost time injury - 7/5/79
Days since - 4,501
Employee hours since - 6,025,330

On October 31, 1991, the employees of the Aberdeen plant completed 4,501 days with no lost time injury.

SAFETY - Continued

The topics for the plant safety meeting during the month were "Hand Tool Inspection" and "Shutdown Safety".

The Safety Department presented information about the plant safety programs to the Aberdeen C.A.P. Comments were very positive.

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	77	98.7	1	1.3
Lead	4	100.0	0	0
Total Particulates	4	100.0	0	0

Monthly Injury Summary

<u>Injury Class</u>	<u>Department</u>	<u>Description</u>
RWC	Maintenance	Sprain, left ankle.
FA	Maintenance	Laceration, left forearm.

COST VARIANCES - D. C. Skokna

Variable Costs

<u>Product</u>	<u>Oct., 1991 Variance, \$M</u>		
	<u>Efficiency</u>	<u>Price</u>	<u>Total</u>
PVC	<\$47.6>	\$ 50.6	\$ 3.0
Flexible Compound	24.1	< 184.5>	< 160.4>
Rigid Compound	< 1.5>	< 141.9>	< 143.4>
Plasticizer	0.4	< 44.5>	< 44.1>
Total	<\$24.6>	<\$320.3>	<\$344.9>

Resin

The unfavorable variance was due to an accounting error for initiators. The "standard" showed zero initiator usage for some resins, which is in error. Assuming initiator use was at budget rates, the efficiency variance will be \$95M favorable.

Flexible Compound

The variance was essentially at budget.

Rigid Compound

The variance was essentially at budget.

Plasticizer

The variance was essentially at budget.

Major Price Variances:

	<u>Variance - \$M</u>
■ Debox Resin	\$ 65.8
■ Phthalic Anhydride	23.0
■ Electricity	14.9
■ Micral 932	14.8
■ Natural Gas	< 34.7>
■ Alcohols	< 70.6>
■ Resin to Rigid Compound	< 84.7>
■ Plasticizers	< 98.3>
■ Resin to Flexible Compound	< 106.1>
■ Other Price Variances	< 29.5>
Total	<\$320.3>

Fixed Cost Variances

	<u>Variance - \$M</u>
■ Payroll and Benefits	<\$ 14.7>
■ MM&C	< 0.2>
■ Miscellaneous	< 2.6>
■ TI&D	42.9
■ Clearances	< 0.7>
Total	\$ 24.7

COST VARIANCE - Continued

Payroll and Benefits - Maintenance and operating payrolls were above budget due to the Old Module turnaround and VCSM conversion.

MM&C - Costs were at budget.

TI&D - The favorable variance was due to a credit in the "Tax-Other" category that reverses an estimated tax liability charged in FY91.

Miscellaneous

- Unclassified	<\$28.3>
- Operating Supplies	\$18.3

The "Unclassified" variance was due to renting a water chiller to improve dry blend quality, and an invoice for physicals that was submitted in September, but not processed until October.

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

Safety

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

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 conversion and shutdown in the Old Module began October 18th. Both Old and New Modules were down for three days for common equipment conversion. All New Module reactors except D-741 were placed back in service after common equipment conversion. D-741 was used as a water stripper until the batch water strippers were converted. Conversion continued as planned with all reactors producing resin by November 7th.
2. A leak was detected in the VCM transfer line from the sphere resulting in about 48 reactor hours of downtime in the New Module. The leak was in the VCM line under the rail track. Jumper lines were installed bypassing the leaking line.

	<u>Oct.</u>	<u>YTD</u>
- Production, MM Lbs.	29.4	29.4
- Daily Rate, M Lbs./C.D.	948.8	948.8
- Capacity Utilization Factor, %	71.6	71.6
- Total Reactor Charges	686.0	686.0
- Charges/C.D.	22.1	22.1
- Reactor Stream Factor, %	65.8	65.8
- Rotary Dryer Stream Factor (#4-#8), %	79.8	79.8
- Fluid Bed Dryer Stream Factor, %	60.0	60.0
- Resin Quality, % Prime	97.0	97.0

Reactor Downtime

	<u>Hours</u>
■ Operational downtime (recovery scheduling conflicts, charge/rinse water conflicts, Q.C. data delays, and dump conflicts).	381.0
■ Maintenance downtime (hydroblast D-741 condenser, Old Module VCSM conversion/shutdown, D-745 rinse nozzle, D-745 reactor seal, D-400 inert vent valve replacement, VCM transfer line leak, and VCSM common equipment conversion).	2166.0

VINYL - Continued

<u>Dryer Time</u>	<u>% of Total Downtime</u>
■ Operational downtime (centrifuge plugs, dryer cleaning, flameouts).	5.6
■ Maintenance downtime (activator problems).	3.5
■ Reactor limited production.	90.9

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

1. The 903 VCM compressor was changed out when the unit quit pumping. The internal heads were worn.
2. Changed out two major valves in the vinyl unit.
3. The east new unit charge water pump was overhauled.

The following items were completed during the Old Unit shutdown which coincided with the VCSM conversion:

1. The studs for reactor 400 seal adapter plate were changed.
2. The studs and gasket for reactor 300 seal adapter plate were changed.
3. Reactor 300 seal was changed; it had developed a slight leak.
4. Cooling tower PM was completed. New composite drive shafts were installed on tower 4A. The fan blades were adjusted to improve efficiency. Hot water basin covers were installed on towers 4A and 4B to reduce algae growth.
5. Annual rupture disc changes were completed on all Old Unit reactors.
6. The south fluid bed dryer Bird centrifuge was changed. The old assembly will be sent to Bird to be reworked.
7. Fifty-six relief valves were sent out for repair or replaced as necessary.
8. Reactor 400 dump line was relocated to improve maintenance access.
9. A pipe stanchion column was eliminated to improve access to reactor 500 seal.

VINYL - Continued

Key Maintenance Work - Continued

10. The fluid bed dryer demister pads were changed.
11. The Old Unit recovery line was completed on schedule.
12. Completed old reactor unit shutdown work. All reactors were hydroblasted. All reactor condensers, jackets, and exchangers in the Old Unit were chemically cleaned.
13. Jacket repairs on D-400, D-500 and D-600 were made when leaks were discovered during chemical cleaning.
14. Two condensers in the New Unit were hydroblasted.
15. A jumperline was installed at the VCM tank farm when the old line ruptured under the railroad tracks.
16. The following vessels were inspected:
 - North and south knockout tanks
 - North and south batch water strippers
 - Hot water charge tank
 - North and south VCM recovered receivers
 - Fresh VCM receiver
 - North and south emission recovery tanks
 - Three seal water coolers
 - The ERS coolers
 - All Old Unit reactors

Minor repairs were made to one seal water cooler and the north emissions recovery tank.

17. All reactor condenser cooling water valves were rebuilt.
18. The level transmitters on the batch water strippers were upgraded.
19. The PIC heater control valve, cooling tower control valve, and back pressure control valve on the batch water strippers were rebuilt.

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

Safety

The Compound Department had no OSHA recordable injuries in October.

General

The new dryblend screeners were installed and started up. Aside from a few minor issues, the system is working well. Some products have shown improvement in the particle size.

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>
Line I	31	1714	55
Line III	31	3925	127
Line V	13	418	32
Total		6057	195
% Prime		95.69	
Capacity Utilization Factor		76.8	

Downtime

Hours

Line I

- Product Changes	108
- One Dicer Offline	59
- Miscellaneous Maintenance	32

Line III

- Product Changes	69
- Miscellaneous Maintenance	17
- Quality	2

Line V

- Misc. Maintenance	45
- Product Changes	15

COMPOUND - Continued

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>	
		<u>Month</u>	<u>Avg./Day</u>
Rigid Compound	31	2944	95
% Prime		96.65	
Capacity Utilization Factor		51.0	

Downtime

Hours

- Product Changes	143
- Quality	80
- Running One Blender	70
- Miscellaneous Maintenance	26

	<u>Operating Days</u>	<u>Production (M Lbs.)</u>	
		<u>Month</u>	<u>Avg./Day</u>
Plasticizer	31	1559	50
% Prime		78.1	
Capacity Utilization Factor		64.6	

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

1. The #1 Welex chutes were cleaned for a test run.
2. The Line I mill Johnson joints were replaced. The old joints were leaking.
3. Line V twin screw motor was repaired when the windings went bad.
4. The picture tube was replaced on the Line I probatcher.

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

Conversion of the Old Module to the DCS began on the 18th and should be completed by the first week of November.

Recruiting

Major recruiting efforts began in October. Campus interviews were conducted at seven schools and the first plant trips were completed. Approximate fifteen plant trips are being scheduled for November.

Ultraclean

A dryer DOE using outlet temperature and air flow rate as parameters was completed. Outlet temperature correlated positively with contamination and air flow correlated negatively.

Plasticizer

The first plasticizer conversion test run was completed. Work on new operating procedures to increase conversion and reduce monoester sent to the ponds was begun.

AT&T

AT&T recycled "fluff" was successfully compounded into several low grade products on Line I.

ABERDEEN CHEMICAL PLANT
MONTHLY PROGRESS REPORT
CAPITAL EXPENDITURE STATUS

M.L. CARTER
OCTOBER REPORT

1991 CAPITAL EXPENDITURES (M\$)

	<u>ACTUAL</u>	<u>BUDGET</u>	<u>VARIANCE</u> <u>M\$</u>	<u>%</u>
Month	507.6	773.0	-265.4	-34.3%
1st Qtr	507.6	1943.0	-1435.4	-73.9%
YTD	507.6	773.0	+0.0	-34.3%

Actual Expenditures - Expenditures in October were \$ 265.4 M less than the plant's budgeted expenditure forecast approved in the First Quarter Budget. This underrun can be attributed to the following items: a.) delay in the T/A had a direct impact on several projects accounting for 43.3% of the underrun, b.) VMS errors found in September backed out of the actual in October accounted for 16.2% of the underrun, c.) inclement weather, delays in construction and material/equipment deliveries and procurement on the new water plant project accounted for 40.5% of the underrun.

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 current approved quarter forecast calls for November expenditures of \$ 712.0 M and Second Quarter expenditures of \$ 1044 M.

APPROVED CAPITAL PROJECT STATUS

ABERDEEN CHEMICAL PLANT

MONTHLY PROGRESS REPORT

\$M
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AFE NUMBER	PROJECT TITLE	ENGR	PLACED IN OPERATION	CLOSED TO FIELD DATE	AFE AMOUNT	FOR/ACT TOTAL	(OVER)/ UNDER	STATUS

ACTIVE PRE-1992 CARRYOVER PROJECTS								

A519	PLANT ELECTRICAL UPGRADE	MLC	03/90	05/91	3300	3281	19	COMPLETE & CLOSED TO FIELD CHARGES FINAL REPORT
A649	VINYL CONTROL SYSTEM MODERNIZATION	MLC			6400	6710	-310	T/A IN PRGRS, OLD CONTROL ROOM DEMO SET FOR NOV RENOVATION WORK TARGETED TO BE COMPLETE & OPERATIONAL 03/92
A909	INERT REMOVAL MODIFICATIONS	GSN	08/91		280	292	-12	PROJECT COMPLETE TARGETED FIELD CLOSURE 12/91
C591	DRYBLEND SAMPLE LINE	GSN			50	50	0	UNIT IN THE PLANT AND INSTALLED MECH DESIGN IS COMPLETE ELECTRICAL DESIGN IS 80% COMPLETE
D511	VCM UNLOADING MODIFICATIONS	JBH			85	85	0	CONSTRUCTION IS IN PROGRESS
D550	RAILCAR ACCESS PLATFORMS AND STAIRS	DEJ	08/91		96	106	-10	PROJECT COMPLETE TARGETED FIELD CLOSURE 12/91
D570	OLD MODULE RECOVERY SYSTEM ACCESS IMPRV.	JLW			60	60	0	T/A WORK IN PROGRESS, TARGETED OPERATION 12/91
D580	RECOVERY VACUUM PUMP PRESSURE RELIEF	JLW			64	64	0	T/A WORK IN PROGRESS, TARGETED OPERATION 12/91
D600	PLASTICIZER UNLOADING AND LOADING IMPRV.	GSN	08/91		36	41	-5	PROJECT COMPLETE TARGETED FIELD CLOSURE 12/91
D619	PROPANE AREA DELUGE SYSTEM	GSN	09/90	01/91	153	172	-19	PROJECT REQUIRES A SUPPLEMENTAL, DOCUMENTATION IN PRGRS
D749	LEAD HANDLING AND EXPOSURE REDUCTION	ACW			91	91	0	PROJECT IS TARGETED TO BE IN OPERATION 02/92
D849	COMPOUND L-3 SEMI-BULK LEAD HANDLING	JBH			145	136	9	TEST RUN ON VALVE REVISIONS TARGETED FOR LATE NOV.
D859	COMPOUND SILO BRIDGE BREAKER	MLC	08/91	09/91	88	89	-1	COMPLETE & CLOSED TO FIELD CHARGES FINAL REPORT
D899	RAILCAR CLEANING RACK	GSN	08/91	11/91	210	207	3	COMPLETE TARGETED FIELD CLOSURE 11/91

APPROVED CAPITAL PROJECT STATUS

ABERDEEN CHEMICAL PLANT

MONTHLY PROGRESS REPORT

\$M
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AFE NUMBER	PROJECT TITLE	ENGR	PLACED IN OPERATION	CLOSED TO FIELD DATE	AFE AMOUNT	FOR/ACT TOTAL	(OVER)/ UNDER	STATUS
F551	DRYBLEND SCREENER REPLACEMENT	GSN			103	103	0	SCREENERS HAVE BEEN INSTALLED, MINOR PROBLEMS WITH PREMATURE SCREEN FAILURES, NEW TYPE SCREENS ARE DUE IN FROM KASON LATE OCTOBER
F650	RVCM REDUCTION IN 5305 RESIN	ACW			90	79	11	PROJECT IS COMPLETE, TARGETED IN OPERATION 11/91
F660	5305 DECALCIFIED WATER SYSTEM	JLW			500	524	-24	INSULATION REMAINS, TARGETED OPERATION 12/91
F779	DRYER #4 & #5 CONTAMINATION REDUCTION	JLW	11/89		80	89	-9	COMPLETE TARGETED FIELD CLOSURE 11/91
G560	TC WASTE WATER COMPLIANCE	GSN	9/90		63	71	-8	COMPLETE TARGETED FIELD CLOSURE 12/91
G561	WASTE WATER INFLUENT EQUALIZATION	DEJ			80	64	16	PROJECT IS NEAR COMPLETION TARGETED OPERATION 12/91
G610	TC COMPLIANCE PROJECT	JBH	9/90		881	940	-59	PROJECT IS COMPLETE TARGETED FIELD CLOSURE 12/91
G630	REACTOR SLURRY STRIPPING OPTIMIZATION	MLC	12/90		24	20	4	PROJECT IS COMPLETE TARGETED FIELD CLOSURE 12/91
G659	NEW DRYER BAGHOUSES	JLW	11/89		1550	1500	50	PROJECT IS COMPLETE, TARGETED FIELD CLOSURE 12/91
G839	PLANT WATER RECYCLE	GSN			165	174	-9	PROJECT IS COMPLETE TARGETED OPERATION 11/91
H500	PLANT WATER SYSTEM	DEJ			4000	4000	0	CLEARWELL CONCRETE NEAR COMPLETION, CONTROL ROOM MECH. IS 85% COMPL., WORK IS IN PROGRESS ON AERATION TOWER, & CLARIFIER. 1st BOILER CONVERSION IS TARGETED FOR NOV.
H501	MISCELLANEOUS CAPITAL PROJECTS <\$15M	MLC	03/91		200	200	0	36 PROJECTS APPROVED, 33 COMPLETED, 3 IN ENGINEERING
H510	WEST INCINERATOR REPLACEMENT	JLW			460	460	0	INCINERATOR HAS BEEN TURNED OVER TO OPERATIONS MINOR WORK ITEMS REMAINING
H531	BOILER FEEDWATER TANK REPLACEMENT	GSN	09/91		57	60	-3	PROJECT COMPLETE TARGETED FIELD CLOSURE 12/91

APPROVED CAPITAL PROJECT STATUS

ABERDEEN CHEMICAL PLANT

MONTHLY PROGRESS REPORT

\$M
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AFE NUMBER	PROJECT TITLE	ENGR	PLACED IN OPERATION	CLOSED TO FIELD DATE	AFE AMOUNT	FOR/ACT (OVER)/		STATUS
						TOTAL	UNDER	
H541	PVC RX GEARBOX REPLACEMENT	ACW	10/91		67	62	5	PROJECT COMPLETE TARGETED FIELD CLOSURE 01/91
H571	LARGE REACTOR DRIVE SHAFT REPLACEMENT	ACW	10/91		25	25	0	PROJECT COMPLETE TARGETED FIELD CLOSURE 01/91
H581	SPARE LARGE REACTOR AGITATOR MOTOR	ACW			28	28	0	MOTOR IS CURRENTLY BEING REWORKED
H601	GAS CHROMATOGRAPH UPGRADE	WCE			100	100	0	DESIGN IS IN PROGRESS
H620	EAST INCINERATOR REPAIR	JLW			415	415	0	NEW INCINERATOR HAS BEEN INSTALLED, PIPING IN PROGRESS
F611	PLENEX MOISTURE ANALYZER	JBH			14	14	0	UNIT IS IN THE PLANT TARGETED OPERATION 12/91
SUBTOTAL PRE-FISCAL 1992 PROJECTS					19960	20312	-352	

FISCAL 1992

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FIRST FISCAL QUARTER

CS	DOLLINGER FILTER REPLACEMENT	GSN	34	34	0	PROJECT WAS APPROVED OCTOBER FY92
S&H	INERT GAS DRYER	DEJ	28	28	0	PROJECT WAS APPROVED OCTOBER FY92
MISC	MISCELLANEOUS CAPITAL	MLC	150	150	0	PROJECT WAS APPROVED OCTOBER FY92
MISC	ELECTRIC PROPANE VAPORIZER	JBH	55	55	0	TARGETED AFE SUB. 11/91
MISC	FLUID BED DRYER IMPROVEMENTS	JBH	40	40	0	PROJECT WAS APPROVED OCTOBER FY92
MISC	FURNITURE AND FIXTURES	MLC	12	12	0	PROJECT WAS APPROVED OCTOBER FY92

SUBTOTAL

TOTAL FISCAL 1992 PROJECTS

GRAND TOTAL - ALL PROJECTS

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ENVIRONMENTAL - K. G. Akins

Water

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

Superfund

Results from DuPont Environmental Remediation Services (DERS) resampling of the deep wells were received. The wells were being checked for phthalates that appeared during the last sampling. The resampling did not find any phthalate contamination of the deep wells. DERS concluded the phthalates that were present during the one sampling event were due to laboratory contamination.

Waste

Waste shipments during the month included:

- Fourteen gaylords of filter cartridges to Laidlaw Environmental Services in LaPorte, TX.
- Six drums of stabilizer spill to Laidlaw Environmental Systems in LaPorte, TX.
- Two bulk loads of waste oil to M&M Chemical in Attalla, AL.
- A bulk load of empty lead and antimony bags to Chemical Waste Management in Emelle, AL.

ENERGY CONSERVATION - J. R. Ganc

	<u>Oct., 1991</u>	<u>Fiscal Y.T.D.</u>
I. <u>Energy Conservation Data</u>		
A. Unadjusted EUI	< 13.0%>	< 13.0%>
B. Adjusted EUI	< 12.3%>	< 12.3%>
C. BTU/Lb. Product	2784.6	2784.6
D. Total Energy Consumption MMM BTU	111.4	111.4

II. Boiler Operation

<u>Boiler</u>	<u>Combustion Efficiency %</u>	
	<u>Oct., 1991</u>	<u>Fiscal Y.T.D.</u>
No. 1	83.1%	83.1%
No. 2	83.0%	83.0%
No. 3	82.4%	82.4%

Boiler #1 operated 29 days in October.

Boiler #2 operated 30 days.

Boiler #3 operated 21 days.

HUMAN RESOURCE REPORT

OCTOBER, 1991

Personnel - J. E. Beall

Employment

Carolyn V. Wigginton - New Hire - Analyst Maintenance -
(replacing Debbi Lemmons).

Promotions/Transfers

Reed Mackay - Lead Process Engineer - Promoted to Senior
Process Engineer (replacing Steve Hillman).

Debbi Lemmons - Analyst Maintenance - Promoted to Analyst
Payroll (replacing Judy Frossard).

Paul Allman - Compound Utility - Promoted to Compound
Operator.

RETIREMENTS

Billy Paul Sizemore - Lab Supervisor - chose early
retirement.

Herbert Jackson - General Mechanic "A" - chose early
retirement.

TERMINATIONS/RESIGNATIONS

None.

TO/FROM LEAVE OF ABSENCE

None.

ABERDEEN PLANT

MONTHLY PERSONNEL REPORT

OCTOBER, 1991

<u>EMPLOYMENT</u>		<u>NEW HIRES</u>		<u>MO</u>	<u>YTD</u>
Salaried	75	Salaried/Transfer		1	1
Hourly	163	Hourly		0	0
Temporary	2	Temporary		0	5
SUB TOTAL	241	TOTAL		1	6
L.O.A.	1				
TOTAL	241				

<u>DEPARTMENTS</u>	<u>#EMPLOYEES</u>	<u>M</u>	<u>F</u>	<u>%M</u>	<u>%F</u>	<u>DEPARTMENT</u> <u>TURNOVER</u>		<u>ANN. %</u>
						<u>MO.</u>	<u>YTD</u>	
WAREHOUSE	15	9	0	60%	0	0	0	0
GENERAL PLANT	11	5	0	45%	0	0	1	10.9%
MAINTENANCE	37	8	0	20.5%	0	1	2	6.5%
LABORATORY	24	5	2	20.8%	8.3%	0	0	0
COMPOUND	38	23	1	59%	2.6%	0	4	12.6%
VINYL	33	10	1	30%	3.0%	0	0	0
PLASTICIZER	5	2	0	40%	0	0	0	0
SUB TOTAL	163	62	4	38%	2.5%			
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	1	.74%
YTD	0	0	YTD	5	3.7%
Minority	0	0	Salaried Month	1	1.6%
Female	0	0	YTD	6	11.2%

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

Department	Overtime			Paid Absences					Long-term Disability			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	Total Abs % of S/T	
YARD	1323.00	79.25	5.99	0.00	0.00	1.00	.08	0.00	0.00	0.00	.08	24
UTILITY	576.00	99.25	17.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96
MAINTENANCE	4632.00	1325.75	28.62	0.00	0.00	74.00	1.60	0.00	0.00	0.00	6.09	360
QC LAB	2649.75	178.00	6.72	0.00	0.00	5.75	.22	0.00	0.00	0.00	6.56	204
JANITORS	302.75	1.50	.50	0.00	0.00	1.25	.41	0.00	0.00	0.00	.41	16
WAREHOUSE	972.00	136.75	14.07	0.00	0.00	8.00	.82	0.00	0.00	0.00	.82	144
STORES	308.00	17.50	5.68	0.00	0.00	4.00	1.30	0.00	0.00	0.00	1.30	8
DEVELOPMENT LAB	758.75	47.50	6.26	0.00	0.00	1.25	.16	0.00	0.00	0.00	.16	40
DRY BLEND	884.00	178.00	20.14	0.00	0.00	4.00	.45	0.00	0.00	0.00	.45	128
COMPOUND	5696.50	514.75	9.04	0.00	0.00	48.00	.84	0.00	12.00	0.00	1.05	284
VINYL	5651.00	702.00	12.42	0.00	0.00	104.75	1.85	0.00	0.00	0.00	4.83	280
PLASTICIZER	636.00	41.25	6.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.08	0
Total Plant =====>	24389.75	3321.50	13.62	0.00	0.00	252.00	1.03	0.00	12.00	0.00	4.15	1584

Pay Period ending October 28, 1991

Printed
11/06/91

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	13055.75	1409.25	12.26	192.00	320.00	63.50	.49	12.00	0.00	0.00	972
UTILITY	6503.25	668.00	11.56	84.00	160.00	.75	.01	0.00	0.00	0.00	552
MAINTENANCE	51186.50	7179.75	14.19	84.75	1104.00	447.25	.87	16.00	84.00	72.00	4896
QC LAB	28133.00	1887.75	7.95	348.00	684.00	129.75	.46	0.00	204.00	16.00	2052
JANITORS	3035.25	43.00	1.56	4.50	64.00	17.25	.57	0.00	0.00	0.00	256
WAREHOUSE	10592.50	1044.75	10.12	27.50	224.00	39.25	.37	16.00	0.00	56.00	912
STORES	2982.25	44.25	1.48	0.00	64.00	17.75	.60	8.00	0.00	24.00	280
DEVELOPMENT LAB	7827.25	301.00	4.72	68.75	160.00	17.50	.22	24.00	0.00	56.00	592
DRY BLEND	9008.25	848.00	10.88	132.00	228.00	16.75	.19	12.00	0.00	36.00	656
COMPOUND	57418.50	5909.50	11.58	738.25	1360.00	387.25	.67	0.00	96.00	72.00	3792
VINYL	59322.75	8410.00	15.66	880.00	1436.00	739.75	1.25	0.00	84.00	24.00	3552
PLASTICIZER	7266.00	535.75	8.20	60.00	164.00	119.00	1.64	0.00	0.00	24.00	716
Total Plant =====>	256331.25	28281.00	12.06	2619.75	5968.00	1995.75	.78	88.00	468.00	380.00	19228

Pay Period ending October 28, 1991

VAB.0001189519

ADMINISTRATIVE SERVICES - D. A. Barclay

Safety

There were no reportable safety instances this month.

Quality

All teams met in October.

OASIS Progress

Due to extremely slow processing time, OASIS closing required seven days.

Statistics

<u>Processed</u>	<u>Month</u>	<u>Y. T. D.</u>
Processed Invoices	1105	1105
Working Fund Checks Written	12	12
Cost Savings Through Bid Process	\$9603	\$9603
Raw Material Purchase Orders Issued	86	86
MRO/AFE Purchase Orders Issued	207	207
Spare Parts Purchase Orders Issued	198	198

Packaged Finished Goods Ending Inventory

	<u>Sept., '91</u>	<u>Oct.</u>	<u>(Decrease) /Increase</u>	<u>% Change</u>
Compound "A" Grade	4,240,156	3,561,429	<678,727>	<16.06>
PLENEX	107,846	117,522	9,676	8.97
Compound Off-Grade (BC)	293,590	427,778	134,188	45.70
Compound Off-Grade (H)	202,380	190,380	< 12,000>	< 5.93>
Millscrap	119,045	227,315	108,270	90.95
Dry Blend "A" Grade	593,244	703,045	109,801	18.51>
Dry Blend Offgrade	431,162	318,312	<112,850>	<26.17>
Resin Type I	707,450	693,500	< 13,950>	< 1.97>
Resin Type "BC"	100	100	0	0
Vacuum Dust	<u>180,759</u>	<u>208,767</u>	<u>28,008</u>	<u>16.40</u>
Total Packaged Warehouse	6,860,354	6,448,148	<427,584>	< 6.23>

ADMINISTRATIVE SERVICES - Continued**Bulk Finished Goods Ending Inventory**

	<u>Sept., '91</u>	<u>Oct., '91</u>	<u>(Decrease) /Increase</u>	<u>% Change</u>
Compound "A" Grade	1,142,715	1,629,815	487,100	42.63
Compound Offgrade	0	0	0	0
Dry Blend "A" Grade	1,368,843	2,142,742	773,899	56.54
Dry Blend Offgrade	1,112,560	1,255,040	142,480	12.81
Resin "A" Grade	13,407,612	14,088,907	681,295	5.08
Resin Offgrade	<u>1,827,100</u>	<u>1,865,800</u>	<u>38,700</u>	<u>2.12</u>
Total	18,858,830	20,982,304	2,123,474	11.26

10/31/91

ABERDEEN CHEMICAL PLANT
PRODUCT RETURNS
OCTOBER 1991

DATE	CUSTOMER	LOCATION	PRODUCT	RESOURCE	DESCRIPTION	BLEND #	CONT.	LBS	CR #	SHIPPED	ORDER #	INVOICE #	DISPOSITION/REMARKS
10/18/91	CHELSEA BLDG	PA, OAKMONT	DB	13345	489-133 WHT144	7099-00	BOXES	6,008	02031	07/17/91			PRODUCED AT PREMIERE
10/18/91	CHELSEA BLDG	PA, OAKMONT	DB	13345	489-100 WHT144	41F05	BOXES	29	02031	07/17/91	0000556-000		PRODUCT QUALITY
10/18/91	CHELSEA BLDG	PA, OAKMONT	DB	13345	489-100 WHT144	41J13	BOXES	33,585	02031	07/17/91	0000556-000		PRODUCT QUALITY
								Sum	39,622				
10/07/91	DAYTON EXTRUDED	OH, MIAMISBURG	DB	14624	RP-152 WHT140	VIPX45779 BULK		47,600	02015	08/28/91	0001051-001		OVERSIZE PARTICLES-SCREEN TO R/C
10/07/91	DAYTON EXTRUDED	OH, MIAMISBURG	DB	14624	RP-152 WHT140	VIPX45779 BULK		51,800	02015	08/28/91	0001051-001		OVERSIZE PARTICLES-SCREEN TO R/C
10/07/91	DAYTON EXTRUDED	OH, MIAMISBURG	DB	14624	RP-152 WHT140	VIPX45779 BULK		32,880	02015	08/28/91	0001051-001		OVERSIZE PARTICLES-SCREEN TO R/C
10/22/91	DAYTON EXTRUDED	OH, MIAMISBURG	DB	14624	RP-152 WHT140	VIPX45779 BULK		23,605	02031	08/28/91	0001051-001		PRODUCT QUALITY
								Sum	155,885				
10/24/91	DECKERVILLE	MI, DECKERVILLE	CRPD	14620	48562H BLK	31K08	BOXES	1,380	02032	08/08/91	0001091-000		BUBBLES-SINKS
10/24/91	DECKERVILLE	MI, DECKERVILLE	CRPD	14635	462-9982 BLK	31K12	BOXES	19,665	02032	08/13/91	0001128-000		BUBBLES-SINKS
								Sum	21,045				
10/14/91	EASCO VINYL	OH, BATAVIA	DB	1613-15	RP-34 WHT141	40X30	BOXES	2,600	02029	10/18/90	896852-001	2210498	DID NOT FIT CUSTOMER APPLICATION-SAMPLE
								Sum	2,600				
10/07/91	FORNTECH	OH, STON	DB	10717	RP-91 WHT110	413	BULK	38,000	02016	09/29/91	0001877-000		DISPERSION PROBLEMS-BOX OUT
								Sum	38,000				
10/17/91	IPC CORINTH	MS, CORINTH	RESIN	10790	5385	PLWX44376 BULK		175,100	02034	10/08/91	0002238-001		CUSTOMER REJECTED-HARD PARTICLE LEVEL
								Sum	175,100				
10/07/91	THERMAL INDUSTRIES	PA, PITTSBURG	DB	14584	RP-34 WHT142	41L15	BOXES	7,800	02027	09/30/91	0001219-001		DAMAGED IN TRANSIT-MATERIAL GOOD
								Sum	7,800				
10/14/91	TINES ANPHENDL	CN, RENFREW ONT	CRPD	14622	38525 CLAY20	11L11	BOXES	8,712	02028	09/20/91	0000882-003		OFF COLOR
								Sum	8,712				
10/14/91	TINES FIBER	VA, CHATHAM	CRPD	1309-01	38601 BLK	31F14	BOXES	2,569	02028	04/18/91	905604-001	2236274	HARD PARTICLES
								Sum	2,569				
10/03/91	VICDA CORPORATION	PA, GLASSPORT	DB	14587	RP-34B WHT180	41K31	BOXES	33,905	02026	10/03/91	0001472-000		WOULD NOT RUN
								Sum	33,905				
10/31/91	VISTA/CHEN LEAMAN	PA, TAYLOR	DB	10661	RP-421 WHT110	PLCX46856 BULK		166,550	02035	10/17/91	0002325-001		1 CMPT OUT OF 40 MESH-REWORK
								Sum	166,550				
								Sum	651,788				

VAB.0001189522

A

ABERDEEN CHEMICAL PLANT
SHIPPING ANALYSIS
OCTOBER 1991

11:39 AM

-SHIPMENTS BY PRODUCTS-	MONTH			YTD		
	PUBLIC	IPT/ITC	EXCH/TOLL	PUBLIC	IPT/ITC	EXCH/TOLL
RESIN-BULK	14,469,500	11,825,450	0	14,469,500	11,825,450	0
RESIN-PACKAGED	263,000	205,750	0	263,000	205,750	0
FLEXIBLE COMPOUND-BULK	130,340	2,557,150	0	130,340	2,557,150	0
FLEXIBLE COMPOUND-PACKAGED	3,307,394	0	0	3,307,394	0	0
NEW BUSINESS	17,648	0	0	17,648	0	0
RIGID COMPOUND-BULK	879,735	670,250	0	879,735	670,250	0
RIGID COMPOUND-PACKAGED	462,186	6,000	0	462,186	6,000	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	674,250	544,650	0	674,250	544,650
TOTAL	19,529,803	15,938,850	544,650	19,529,803	15,938,850	544,650

-SHIPMENTS BY MODE-				
BULK:				
	RAILCAR	CUSTOMER PICKUP	COMMON CARRIER	TOTAL
OCTOBER				
RESIN	121	16	45	182
FLEXIBLE COMPOUND	16	0	7	23
RIGID COMPOUND	6	0	12	18
PLASTICIZER	7	0	0	7
TOTAL OCTOBER	150	16	64	230
YTD				
RESIN	121	16	45	182
FLEXIBLE COMPOUND	16	0	7	23
RIGID COMPOUND	6	0	12	18
PLASTICIZER	7	0	0	7
TOTAL YTD	150	16	64	230

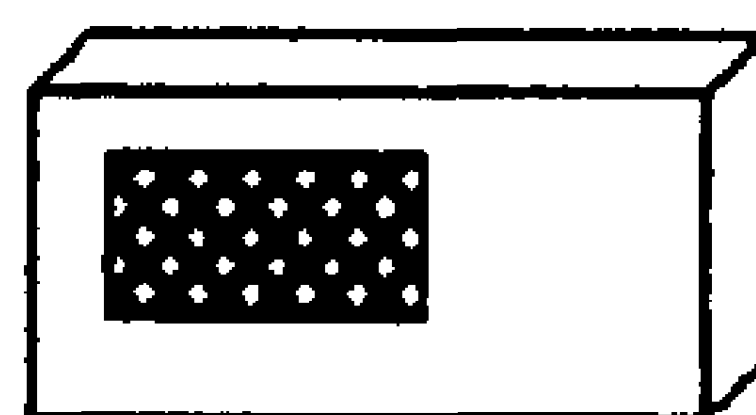
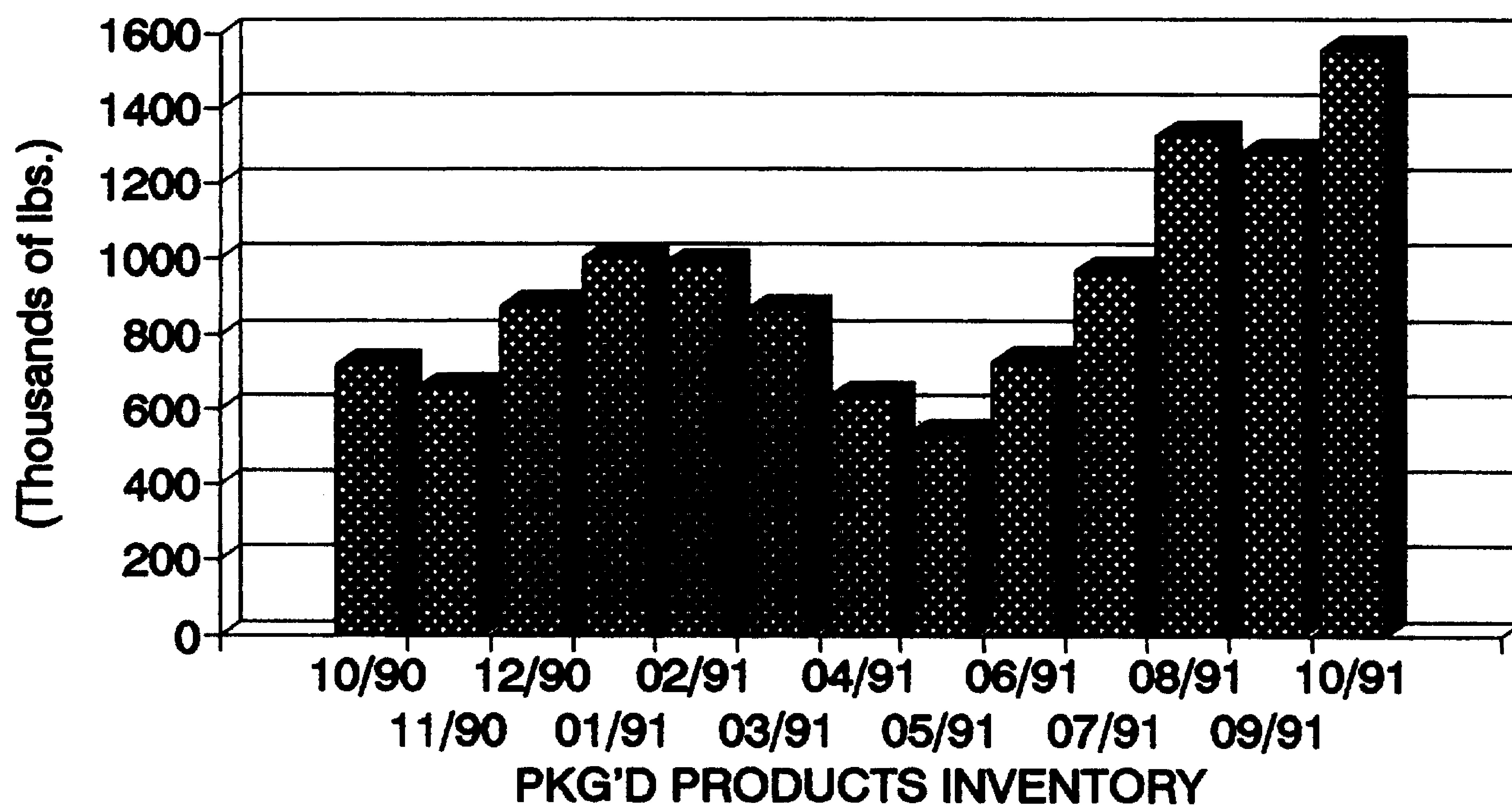
PACKAGED:						
	CUSTOMER PICKUP	COMMON CARRIER	TOFC	AIR/UPS	AIR/UPS	TOTAL
OCTOBER						
RESIN	4	14	0	0	0	18
FLEXIBLE COMPOUND	25	97	0	0	2	124
RIGID COMPOUND	1	10	0	0	0	11
PLASTICIZER	0	0	0	0	0	0
TOTAL OCTOBER	30	121	0	0	2	153
YTD						
RESIN	4	14	0	0	0	18
FLEXIBLE COMPOUND	25	97	0	0	2	124
RIGID COMPOUND	1	10	0	0	0	11
PLASTICIZER	0	0	0	0	0	0
TOTAL YTD	30	121	0	0	2	153

CC: DAB, JLC, AEV, JRF

VAB.0001189523

FLEXIBLE & RIGID OFF-GRADE

OCT.'90 THRU OCT.'91



LABORATORY - J. M. Edwards**A. Safety**

There were no safety incidents in the Laboratory during October.

B. Customer Contacts

Jim Edwards and Terry Edwards (Lab Technician) visited Intex in Corinth, MS to show them testing methods for resin hard particles and contamination.

C. Customer Q.C. Problem Reports and CNR's**10/01 Formtech, Stow, OH**

The customer complained that product RP-91 was producing "shooting stars" surface imperfections in profile extrusions. The line was shut down until another delivery of RP-91 was made. The customer complained that the makeup material was delivered four hours too late. The M.S. driver quit his route enroute.

10/02 Formtech, Stow, OH

The customer complained that the lot of RP-91 that caused "shooting stars" was also too light in color.

10/02 Thermal Industries, Pittsburgh, PA

The customer complained that a shipment of compound in gaylord boxes arrived so damaged that they had to reject the shipment. The Aberdeen Plant has developed a new loading format to prevent future damage to gaylord box shipments.

10/03 Alenco, Peachtree City, GA

The customer complained that the 58162 Black compound produced poor swell and incomplete filling of die.

LABORATORY - Continued

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

10/09 Thermal Industries, Pittsburgh, PA

The customer complained that a truck shipment of compound delivered one day early.

10/10 Deckerville, Plastics, Deckerville, MI

The customer complained of inconsistent processing from box to box of 462-121-B1 Blk 464. This problem is not unique to this lot.

10/11 Chelesa

The customer complained that 40,000 pounds of 489-100 WHT 144 was 2.0 b units too yellow. Aberdeen lab shows the material was on the blue side of the target.

10/14 Donnelly Corporation, Holland, MI

The customer complained that they had severe processing problems related to thermal stability of lot 51L10 of compound 46234A Black. Samples of the problem material are being analyzed in Austin.

10/17 Uniroyal Chemical, Painesville, OH

The customer complained that a 5305 truck order never shipped. A railcar arrived in time to prevent a shutdown at their plant.

10/17 Sunbeam-Home Comfort, Laurel, MS

The customer complained of beige and green pellets mixed in with an order of 27251 WHT compound. Better lighting was installed at the boxing hopper to help detect this problem in the future.

LABORATORY - Continued

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

10/21 Thermal Industries, Pittsburgh, PA

The customer complained of not receiving a shipment of RP-159 Beige that had been on order a month. Quality problems delayed the shipment.

10/24 Donnelly Corp., Holland, MI

The customer complained of metal contamination in 48451 Black compound. Samples were sent to Austin for analysis.

D. Product Waivers

There were no waivers for the month.

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 October, 1991.

	<u>Reactor</u> <u>Slurries</u>	<u>Drier</u>	
		<u>5265</u>	<u>5305</u>
Number of Samples	688	16	58
Average RVCM, ppm	57	0.106	0.311

RVCM of Shipment Samples

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

<u>Product</u>	<u>Number of Samples</u>	<u>Average RVCM, ppm</u>
5225	0	
5265	32	0.033
5305	86	0.083
5325	0	
5385	27	0.461
5395	12	0.122
5415	59	0.043
5465	1	0.011
Debox	16	0.474
Pond	0	
Dry Blend	6	0.068

LABORATORY - Continued

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	0.57	3.40	0.77	2.11	1.18
Inherent Viscosity	1.63	N/A	0.61	0.64	0.29
(vs. 0.64 - 0.67)	0.21	----	----	----	----
(vs. 0.715 - 0.744)	----	N/A	----	----	----
"L" Color	6.89	1.00	1.87	2.83	2.83
"a" Color	8.00	4.17	----	----	----
"b" Color	6.00	2.50	1.44	2.67	5.67
% on Pan	0	0.50	2.06	1.13	2.47
(vs. 2% max.)	----	----	----	----	0.47
% thru 140	0.16	0.50	2.28	1.14	3.31
Mets I.R.	----	----	----	5.21	5.32
(vs. 95% of Control)	----	----	----	----	2.67
Hard Particles, (% > 10)	----	----	48.1	3.4	11.5
Average Particle Size, Microns	129	123	167	160	177

G. Flexible Compound Quality Summary

	<u>Adjustments</u>		<u>Rejections</u>	
	<u>M Lbs.</u>	<u>%</u>	<u>M Lbs.</u>	<u>(%)</u>
Hardness	7.0	<0.12>	----	----
Color	20.0	<0.34>	27.6	<0.47>
Hard Particles			89.4	<1.52>
Cross Contamination			1.6	<0.03>
Streamers			4.8	<0.08>
METS-IR			<u>6.0</u>	<u><0.10></u>
Totals	<u>27.0</u>	<u><0.46></u>	129.4	<2.20>

H. Rigid Compound Quality Summary

	<u>Rejections</u>	
	<u>M Lbs.</u>	<u>(%)</u>
Torque Rheometry	3.2	<0.11>
Color	28.8	<1.02>
Pitting	<u>2.0</u>	<u><0.07></u>
Total	34.0	<1.20>

SAMPLE SHIPMENTS

OCTOBER 1991

RESIN

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
10/03/91	5395	4500 lbs.	Hoffinger Industries Inc.
10/09/91	5415	100 lbs.	BACHMANN REPRESENTACIONES
10/10/91	5325	50 lbs.	Group Dekko
10/10/91	5225	50 lbs.	NIBCO
	5325	50 lbs.	
10/10/91	5325	50 lbs.	Marley Mouldings
10/15/91	5415	500 lbs.	I. U. S. A.
10/16/91	5305	2250 lbs.	Robbins Tire & Rubber Co.
10/17/91	5415	50 lbs.	Aeroquip Corp.
	5465	50 lbs.	
10/18/91	5225	50 lbs.	Cappus Plastics
10/31/91	5395	100 lbs.	Perstorp Components
	5415	100 lbs.	
10/31/91	5305	5 lbs.	Westchem Co.
	5385	5 lbs.	
10/31/91	5305	50 lbs.	Armstrong World
	5325	50 lbs.	

COMPOUND

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
10/02/91	55041 CB 50	100 lbs.	Flexible Technologies
	16851 Cb 50	100 lbs.	
10/02/91	57121 WTCL 327	100 lbs.	Macklanburg-Duncan
	58031 WTCL 328	100 lbs.	
10/03/91	640-009-B NAT	500 lbs.	Essex Group Inc.
10/08/91	55041 CB 50	5 lbs.	Vista - Austin
	35852 NAT	5 lbs.	

COMPOUND (Cont.)

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
10/10/91	14941 NAT	400 lbs.	Central Plastics
	15072 NAT	400 lbs.	
10/14/91	34501 BLK	1500 lbs.	Cast Film
10/14/91	27121 NAT	50 lbs.	New Edgehill Company
10/15/91	419-50C NAT	10 lbs.	Vista - Austin
	419-50C NAT 02	10 lbs.	
10/16/91	17462 GRY 545	200 lbs.	Season All Industries
	57462 BLK	200 lbs.	
10/23/91	38601 Clay 20	10 lbs.	Akzo Eng. Plastics Inc.
10/23/91	38552 NAT	50 lbs.	Precision Cable

DRYBLEND

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
10/09/91	RP-159 OG	1300 lbs.	Stylecrest Company

PLASTICIZER

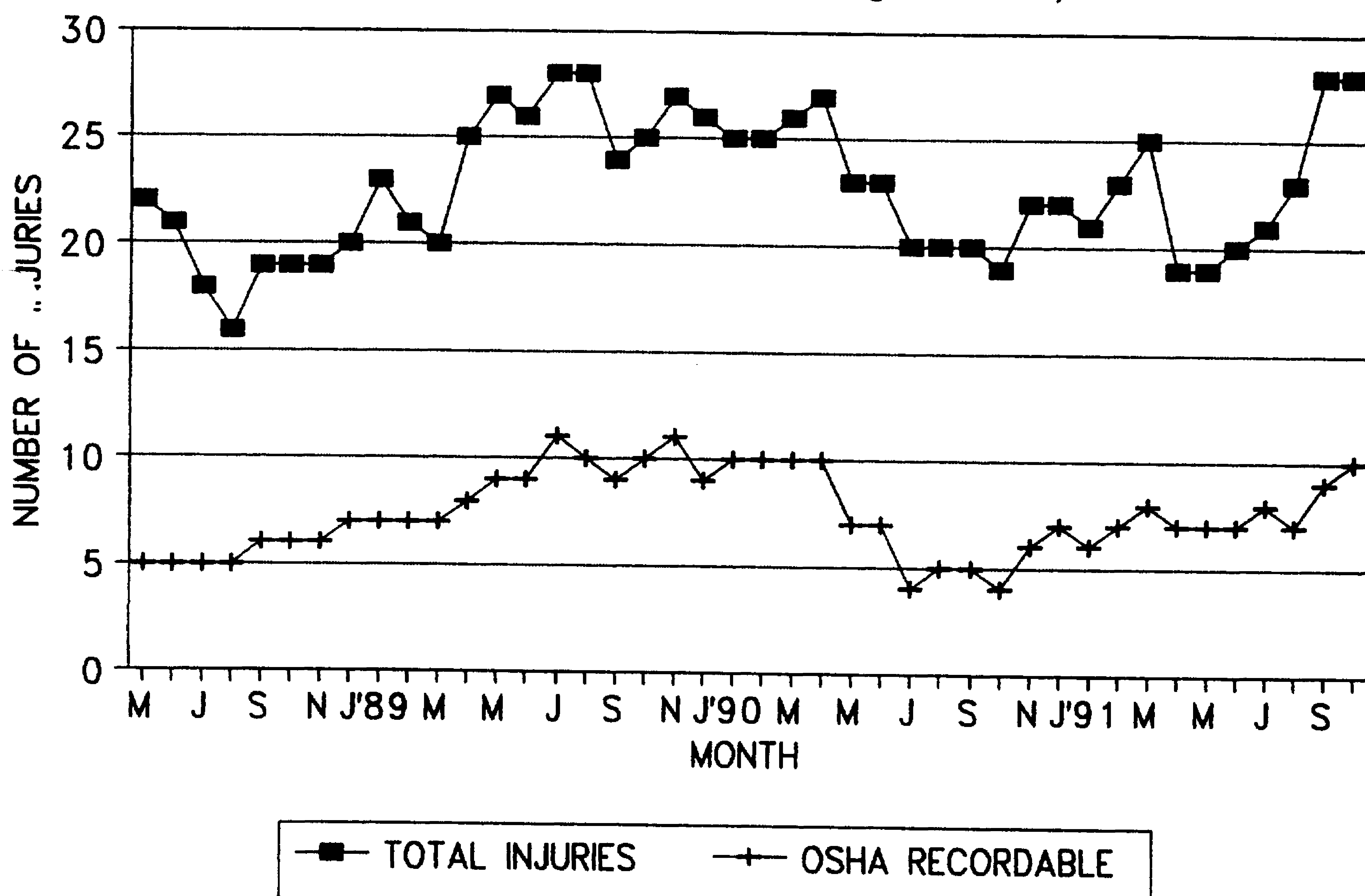
<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
10/07/91	108P	2 lbs.	Americhem

MISC.

<u>Ship Date</u>	<u>Product</u>	<u>Amount</u>	<u>Customer</u>
10/23/91	Vent Dust	100 lbs.	Balcones Research Center University of Texas

ABERDEEN CHEMICAL PLANT INJURIES

(Twelve Month Running Totals)



ABERDEEN ENERGY CONSUMPTION

