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To: T. H. Huffman

From: D. C. Skokna
Date: August 21, 1992

Interoffice Communication

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

VISTA

Safety

There was one first aid case reported during July. On July 6, the plant's employees achieved thirteen years since the last lost time injury. At month end, the plant's employees had worked 4775 days (6,399,990 employee hours) since the last lost time injury.

FY1992 Key Statistical Information	July	Y.T.D.
PVC Production, MM Lbs.	39.2	368.3
Reactor Stream Factor, %	92.1	86.2
Resin Quality, % Prime	97.5	97.1
VCM Efficiency, Lbs./Lb.	1.0338	1.0354
Flexible Compound Production, MM Lbs.	6.8	53.9
Flexible Compound Quality, % Prime	97.5	96.6
Rigid Compound Production, MM Lbs.	1.7	19.7
Rigid Compound Quality, % Prime	96.4	97.6
Plasticizer Production, MM Lbs.	1.7	14.5
Plasticizer Quality, % Prime	88.5	80.8
Energy Use, (EUI, %)	0.1	< 13.2>
Fixed Cost Variance, $M	< 29.9>	<596.9>
Variable Cost Efficiency Variance, $M	45.5	<577.5>

Costs

Variable costs were near budget for the month.

Fixed costs were overstated by $124M due to accrual errors which will be corrected in August.

Operations

In the Vinyl unit, annual inspections and rupture disk change-outs were completed in the New Module on reactors D-741, D-742 and D-743. Maintenance on #3 boiler limited rates for several days during July.

Inspection of the #3 boiler showed that its condition warrants extensive repairs or replacement. An AFE will be submitted during August.

Operations - Continued

The flexible compound unit ran very well producing 6.8MM pounds. Line V and the rigid compound unit both operated with reduced staffing.

QMP

The plant scored 44% on a self-assessment done at Prestolite's request. A corrective action plan will be developed.

Environmental

We are working with a consultant, Tischler/Kocurek, to obtain a higher BOD limit on the new NPDES permit that takes effect on February 1, 1993. A meeting with the MDEQ is scheduled for October to review the results of the consultant's work.

In addition to the work by the consultant, a parallel effort to develop a project to meet the tight BOD limit is in progress.

D. C. Skokna
Plant Superintendent

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Premiere	P. L. Foote	X	
Aberdeen	J. A. Autrey		X
	J. E. Beall	X	
	J. M. Edwards	X	
	S. C. Hillman		X
	D. A. Miller		X
	J. E. Nickerson	X	
	J. D. Olson		X
	B. L. Trego	X	
	R. W. Seymour/ D. C. Skokna (File Copy)		

SAFETY - B. L. Trego

	July	Fiscal Y.T.D. 1992	Fiscal Y.T.D. 1991
First Aid	1	14	12
OSHA Recordable	0	4	7
Total Injuries	1	18	19
Number of Restricted Workday Cases	0	2	4
Number of Lost Workday Cases	0	0	0
Injuries by Department			
Vinyl Operations	0	4	3
Compound Operations	1	6	5
Maintenance	0	7	9
Laboratory	0	0	0
Receiving/Warehouse	0	0	0
Office	0	1	2
Totals	1	15	19
Injuries by Type			
Cuts and Abrasions	1	9	6
Eye Injuries	0	0	1
Burns	0	4	3
Bruises	0	1	3
Strains/Sprains	0	3	3
Stings	0	1	0
Other	0	0	3
Totals	1	18	19
Non-Occupational Injuries			
Lost Workday Cases	2	6	6
Days Lost	5	41	127
Contractor Injuries			
First Aid Cases	1	4	4
Medical Treatment Cases	0	0	1
Lost Workday Cases	0	0	1

Safety Record

Last lost time injury - 7/5/79
Days since - 4,775
Employee hours since - 6,399,990

On July 31, 1992, the employees of the Aberdeen plant completed 4,775 days with no lost time injury.

SAFETY - Continued

Topics for the plant safety meetings during the month included refresher training on Lockout/Tagout Procedures and CPR.

Routine dosimetry results for the month were:

Chemical	< PEL		> PEL	
	Number	Percent	Number	Percent
VCM	72	98.6	1	1.4
Lead	7	100.0	0	0
Total Particulates	1	100.0	0	0

Monthly Injury Summary

Injury Class	Department	Description
FA	Compound	Minor laceration of right index finger.

QUALITY MANAGEMENT PROCESS - **E. E. Smith**

The Aberdeen Plant scored 44% on a self-assessment questionnaire for Prestolite. A corrective action plan will be developed.

Several natural teams have completed team projects and are preparing for management presentations.

1993 Q-Scorecard preparation is underway.

COST VARIANCES - D. C. Skokna

Variable Costs

Product	July, 1992 Variance, $M Efficiency	Price	Total
PVC	$12.5	<$485.2>	<$472.7>
Flexible Compound	32.6	< 44.8>	< 12.2>
Rigid Compound	< 0.3>	< 23.7>	< 24.0>
Plasticizer	0.5	< 37.0>	< 36.5>
Total	$45.5	<$590.7>	<$545.2>

PVC

Operations were essentially at budget.

Flexible Compound

Raw material use was below budget.

Major Price Variances:

	Variance - $M
▬ Electricity	$ 26.4
▬ Micral 932	22.8
▬ Resin to Rigid Compound	< 12.0>
▬ Debox Resin Credit	< 14.0>
▬ Natural Gas	< 21.1>
▬ Plasticizers	< 27.0>
▬ Resin to Flexible Compound	< 42.7>
▬ Alfol[R] Alcohols	< 42.8>
▬ VCM	< 474.9>
▬ Other Variances	< 5.4>
Total	<$590.7>

Fixed Cost Variances

	Variance - $M
▬ Payroll and Benefits	$ 20.7
▬ MM&C	< 43.0>
▬ Miscellaneous	< 30.1>
▬ TI&D	1.2
▬ Clearances	22.5
Total	<$ 29.9>

Payroll & Benefits

An unfavorable payroll cost due to the July holiday, long term absences, and above budget salaried staffing levels was offset by favorable benefits.

MM&C

An accrual error overstated this category by $85M.

COST VARIANCES - Continued

Miscellaneous

- Assigned Vehicles: <$40.2M> - This is due to a $39M accrual error.
- Moving, Home Assistance: $16.6M
- Unclassified: $14.1M
- Processing Supplies: <$17.07>
- Electricity: <$12.0M> - This is for the pond 2 cleanout and is offset by a clearance.
- Shipping Cost: $12.1M

Clearances

This is primarily a credit for the pond 2 cleanout project.

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

Safety

The Vinyl Department had no injuries in July.

The monthly safety meetings were presented by the Safety Department reviewing the Lockout/Tagout procedures.

General

1. Annual inspections and rupture disk changeouts were completed on reactors D-741, D-742, and D-743. The New module inspections should be completed in August.

2. A power failure on July 22 resulted in the early kill of four reactor batches. Downtime was minimal; however, resin quality particularly hard particles was adversely affected.

3. Low steam pressure due to boiler maintenance slowed production. Only one module could evacuate or recover at a time.

	July	YTD
- Production, MM Lbs.	39.2	368.3
- Daily Rate, M Lbs./C.D.	1266.0	1207.5
- Capacity Utilization Factor, %	95.5	91.1
- Total Reactor Charges	926.0	8794.0
- Charges/C.D.	29.9	28.8
- Reactor Stream Factor, %	92.1	86.2
- Rotary Dryer Stream Factor (#4-#8), %	93.6	91.1
- Fluid Bed Dryer Stream Factor, %	97.7	90.4
- Resin Quality, % Prime	97.5	97.1

Reactor Downtime

	Hours
▪ Operational downtime (recovery scheduling conflicts, charge/rinse water conflicts, Q.C. data delays, dump conflicts, low steam pressure, and no blend tank space).	394.0
▪ Maintenance downtime (D-741 annual inspection, D-742 annual inspection, D-743 annual inspection, D-744 agitator motor work, D-741 PM, D-742 evacuation valve, D-500 agitator seal, D-700 agitator seal unit, D-600 catalyst ram valve, D-742 rinse valve, D-300 slurry valve, D-600 cooling water valve, D-700 steam eductor, and D-743 recovery line).	196.0

VINYL - Continued

Dryer Time	% of Total Downtime
▬ Operational downtime (centrifuge plugs, dryer cleaning, flameouts).	27.2
▬ Maintenance downtime (activator problems, centrifuge repair).	55.3
▬ Reactor limited production.	17.5

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

- The annual rupture disc changes and die inspection were completed on reactors 742 and 743. Also, relief valves were sent out for reconditioning.
- Compressors 903 and 905 were changed out due to poor performance. The insides were severely pitted and worn.
- The reactor seal on reactor 500 was pulled out of service after five months of service. Failure was attributed to contaminated lubrication. The duraseal unit was disassembled and cleaned.
- The roller on the south end of dryer #1 was replaced. The roller broke and caused the dryer to come off track.
- Recovery piping on reactor 743 was replaced after a hole developed in the side of the pipe. All other small reactor new unit recovery lines were inspected. Reactors 744 and 742 recovery lines were also determined to be in poor condition and are scheduled to be replaced next month.
- Three major valves were changed out of the vinyl unit.
- Critical instrument PMs were completed on reactors 300, 600, 742, 743, dryer #4 and dryer #8. Critical instrument PMs were also completed on #3 boiler.
- The cooling water control valve on reactor 600 was replaced with a new style V-ball control valve.
- Tube leaks on #3 boiler were repaired after a tube failure. The boiler tubes were then acid-cleaned and additional tube leaks found were repaired. The annual insurance inspection was completed and the annual relief valve reconditioning was also completed.

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

Safety

The Compound Department had one first aid injury during the month. A Compounder received a cut on his index finger.

General

Orders continue to be tight on Line I and Line III. Production for the month is up 1000M pounds from last month due to a significant decrease in total downtime. Line V and Dryblend continue to operate at reduced staffing. Efforts are being made to move some production to Line V which would alleviate some congestion on Lines I and III. This additional production on Line V would also allow us to go to three production shifts and hopefully increase production on Lines I and III by further reducing downtime.

Compound Production	Operating Days	Production M (Lbs.) Month	Avg./Day	Fiscal Y.T.D.
Line I	31	2095	68	16211
Line III	31	4178	135	33310
Line V	16	532	33	4348
Total		6805	236	53869
% Prime		97.50		96.61
Capacity Utilization Factor		92.68		69.82

Downtime — Hours

Line I

- Product Changes 90
- One Dicer Offline 15
- Miscellaneous Maintenance 26
- Quality 14

Line III

- Product Changes 50
- Miscellaneous Maintenance 23
- Quality 8

Line V

- Product Changes 46
- Quality 3
- Miscellaneous Maintenance 4
- Coverage for Other Lines 10

COMPOUND - Continued

	Operating Days	Production (M Lbs.) Month	Avg./Day	Fiscal Y.T.D.
Rigid Compound	21	1682	80	19714
% Prime		96.44		97.55
Capacity Utilization Factor		31.30		38.02

Downtime	Hours
- Product Changes	49
- Miscellaneous Maintenance	10
- Quality	75

	Operating Days	Production (M Lbs.) Month	Avg./Day	Fiscal Y.T.D.
Plasticizer	29	1651	57	14545
% Prime		88.47		80.80
Capacity Utilization Factor		74.94		60.76

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

- The leaking transfer line to Line I boxing hopper was replaced.
- Line III "A" blender ribbon was repaired.
- Tests were performed on all alarms on Line V panel.

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

PROJECTS IN DEVELOPMENT - GENERAL

Water Plant

Operator training has begun. Equipment check-out will begin in mid-August. Persistent equipment delays have pushed startup to late August or early September.

Centrifuge Pool Depth Tests - Rotary Dryer Debottlenecking

The centrifuge pool depth test run is complete. A lower pool depth in the centrifuge lowers the moisture in the resin wetcake entering the dryer. The test run showed that rotary dryers can be operated at higher flow rates and low inlet temperatures if centrifuges are run at lower pool depth. This helps quality and fuel savings and makes capacity increases possible. The drawback is a higher resin concentration in the centrate water.

New Boiler

The plant is pursuing the design of a new boiler to replace boiler #3 which is in need of repairs. It was decided to purchase a new boiler based on the economics of repairing boiler #3. Bids are being solicited from several manufacturers.

Ultraclean

Equipment was ordered and modified to run Syntron resin contamination tests under a UV light. It is hoped that the UV Syntron test will detect baghouse fibers and resin particles that have poor heat history.

New Gortex bags have been ordered and upon delivery will be installed in the baghouse of dryer #8. This test, using the new Gortex bags, will hopefully reduce the number of polyester fibers in our resins.

Compound Productivity Team

An economic analysis was done to determine if using returnable bins instead of Gaylord boxes for shipping compound would save money. The results showed that a switch would not save money, due mainly to the cost of shipping the empty bins back to Aberdeen.

Wastewater

The Wastewater Team had its first meeting and decided to focus on oxidation and water recycle, along with continuing aerator design efforts and regulatory relief work. Another action step from the meeting was to minimize water use. A plant water balance will be completed in August.

ENGINEERING - Continued

Plasticizer Expansion

A HAZOP of the Plasticizer Stripper Class "A" design was completed and then sent to GED for a definitive estimate. The stripper plot plan was approved in a plant meeting. Existing equipment relocation issues will be resolved before estimation begins in early August.

Storage and unloading facilities, the second phase of the expansion, were evaluated to determine current capacity and future requirements. The operability of models predicting equipment use and capacity will be confirmed with operations in early August.

The wastewater test run is in progress. Early environmental problems with the test run were compensated with operational changes. These changes and the steam problems at the plant have hindered the test run. The high acid values are difficult to obtain and are causing considerable problems with VRP handling. To date, there is no indication the test run has increased loading to the ponds.

OSHA Process Safety

The Plant Hazards Analysis Policy is complete and approved by plant management. This plan provides the necessary procedures for performing process hazard analysis at the Aberdeen Plant. Training on the Process Hazards Analysis Policy was given to the Process Engineering Department.

Management of change and pre-startup safety review procedure training of supervisors has started. Supervisor training will be complete August 13.

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ABERDEEN CHEMICAL PLANT

MONTHLY PROGRESS REPORT

CAPITAL EXPENDITURE STATUS

M.L. CARTER
JULY REPORT

1992 F.Y. CAPITAL EXPENDITURES (M$)

			VARIANCE	
	ACTUAL	BUDGET	M$	%
Month	326.6	105.0	+ 221.6	+211.0%
4th Qtr.	326.6	479.0	- 152.4	-31.8%
YTD	3181.2	3841.0	- 659.8	-17.1%

Actual Expenditures - Expenditures in July were $221.6M more than the plant's budgeted expenditure forecast approved in the Fourth Quarter Budget submitted in June FY92.

July's FY92 capital expenditures were 211.0% more than the plant's budgeted expenditure forecast. It should be noted that the capital expenditures associated with project H612 Pond 2 Resin Drying are not accounted for in the reported actual above due to the accounting procedures and contract agreement with Conoco.

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

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

Forecasted Expenditures - The submitted 4th Quarter Capital Budget calls for expenditures of $479.0M and August expenditures of $182.0M.

ENVIRONMENTAL - K. G. Akins

Water

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

We are working with the consulting firm of Tischler/Kocurek on an effort to obtain higher BOD limitations for the second part of the NPDES permit. The new limits are currently scheduled to take effect on February 1, 1993. We will be gathering hydraulic data on James Creek as well as analyzing for BOD, DO, temperature, nitrogen compounds. This information will be used in a computer model to determine allowable BOD discharge levels. The MDEQ has expressed a willingness to use the computer model proposed by Tischler/Kocurek.

We will meet with the MDEQ in October to review the results of the stream survey and modelling results.

We are also looking at chemical oxidation or filtration of our effluent as a means of meeting the stricter permit limitations in the event stream modelling does not provide us with higher allowable discharge limitations.

Waste

Waste shipments during the month included:

- A bulk shipment of floor sweepings to Chemical Waste Management in Emelle, AL.

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

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ENERGY CONSERVATION - J. R. Ganc

		July. 1992	Fiscal Y.T.D.
I.	**Energy Conservation Data**		
	A. Unadjusted EUI	< 0.3%>	< 14.3%>
	B. Adjusted EUI	0.1%	< 13.2%>
	C. BTU/Lb. Product	2576.0	2935.0
	D. Total Energy Consumption MMM BTU	127.5	1340.5

II. **Boiler Operation**

Boiler	Combustion Efficiency % July. 1992	Fiscal Y.T.D.
No. 1	83.7%	83.4%
No. 2	83.5%	83.4%
No. 3	83.6%	83.1%

HUMAN RESOURCE REPORT

JULY, 1992

PERSONNEL - J. E. Beall

EMPLOYMENT

None.

PROMOTIONS/TRANSFERS

Erik E. Smith - Engineering Department - Employee transferred from Process Engineer to Quality Management Coordinator.

Charles R. Clay - Compound Department - Compound Utility temporarily transferred to Compound Operator covering for Verneta Young (on sick leave).

Larry Frye - Maintenance Department - Employee progressed from General Mechanic "B" to General Mechanic "A".

RETIREMENTS

None.

TERMINATIONS/RESIGNATIONS

None.

TO/FROM LEAVE OF ABSENCE

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

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8/05/92

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

Deptartment	Total S/T Hr	Overtime Total Hour	Overtime % of S/T	Holiday Worked Hr	Holiday hr Not worked	Non Paid Hours	Absence % of S/T	Paid Absences Jury Duty	Paid Absences National Guard	Paid Absences Death in Family	Long-term Disability	Total Abs % of S/T	Vacation
YARD	8939.25	945.50	12.19	144.00	248.00	61.50	.69	0.00	0.00	36.00	0.00	1.09	888
GENERAL HELPERS	76.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
UTILTIY	4894.50	565.25	13.02	72.00	120.00	1.50	.03	0.00	0.00	0.00	0.00	.03	432
MAINTENANCE	31400.25	3548.50	11.45	48.00	728.00	340.00	1.08	160.00	0.00	192.00	128.00	2.61	4936
QC LAB	18250.25	1372.50	8.77	228.00	460.00	220.50	1.21	24.00	192.00	105.00	180.00	3.95	1972
JANITORS	2001.25	64.00	3.32	2.50	48.00	7.00	.35	8.00	0.00	0.00	0.00	.75	240
WAREHOUSE	7420.75	942.25	12.70	.25	172.00	16.00	.22	0.00	0.00	48.00	80.00	1.94	584
STORES	2047.50	52.25	2.55	0.00	48.00	.50	.02	0.00	0.00	0.00	0.00	.02	264
DEVELOPMENT LAB	5440.25	379.75	8.06	59.00	120.00	7.25	.13	0.00	0.00	0.00	0.00	.13	304
DRY BLEND	6405.50	599.50	10.30	60.00	156.00	21.50	.34	0.00	84.00	0.00	204.00	4.83	524
COMPOUND	38172.75	5043.75	14.79	603.50	988.00	240.75	.63	48.00	84.00	148.00	624.00	3.00	3508
VINYL	38616.75	7079.00	19.94	620.00	972.00	1328.75	3.44	60.00	120.00	96.00	3524.00	13.28	3396
PLASTICIZER	4874.00	662.25	14.33	36.00	140.00	89.75	1.84	0.00	0.00	0.00	336.00	8.74	960
Total Plant =====>>	168539.00	21254.50	13.72	1873.25	4200.00	2335.00	1.39	300.00	480.00	625.00	5076.00	5.23	18008

Pay Period ending July 26, 1992

1/27/92 - 7/26/92

VAB.0001189190

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8/05/92

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

Deptartment	Total S/T Hr	Overtime Total Hour	Overtime % of S/T	Holiday Worked Hr	Holiday hr Not worked	Non Paid Hours	Absence % of S/T	Paid Absences Jury Duty	National Guard	Death in Family	Long-term Disability	Total Abs % of S/T	Vacation
YARD	1140.00	199.75	21.73	48.00	104.00	12.75	1.12	0.00	0.00	0.00	0.00	1.12	156
GENERAL HELPERS	36.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
UTILTIY	824.00	46.50	8.56	24.00	48.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
MAINTENANCE	4039.50	487.75	12.47	16.00	248.00	20.50	.51	0.00	0.00	0.00	0.00	.51	680
QC LAB	2485.75	198.25	9.91	48.00	180.00	10.25	.41	0.00	0.00	0.00	0.00	.41	156
JANITORS	224.00	19.75	8.82	0.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80
WAREHOUSE	904.00	91.25	10.12	.25	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	176
STORES	256.00	.50	.20	0.00	16.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48
DEVELOPMENT LAB	687.00	48.25	9.06	14.00	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80
DRY BLEND	660.00	112.00	16.97	0.00	72.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96
COMPOUND	4909.00	903.25	21.74	164.00	396.00	29.25	.60	0.00	0.00	36.00	168.00	4.75	492
VINYL	5375.75	816.50	18.46	176.00	380.00	65.75	1.22	0.00	0.00	24.00	0.00	1.67	576
PLASTICIZER	688.00	116.50	22.17	36.00	68.00	16.00	2.33	0.00	0.00	0.00	0.00	2.33	96
Total Plant =====>>	22229.00	3040.25	16.04	526.25	1628.00	154.50	.70	0.00	0.00	60.00	168.00	1.72	2636

Pay Period ending July 26, 1992

VAB.0001189191

ABERDEEN PLANT

MONTHLY PERSONNEL REPORT

JULY, 1992

EMPLOYMENT		NEW HIRES	MQ	FYD
Salaried	80	Salaried/Transfer	0	12
Hourly	156	Hourly	0	0
Temporary	3	Temporary	0	4
SUB TOTAL	239	TOTAL	0	16
L.O.A.	2			
TOTAL	241			

DEPARTMENTS	#EMPLOYEES	M	F	%M	%F	DEPARTMENT TURNOVER MO.	FYD	ANN.%
WAREHOUSE	15	9	0	60%	0	0	0	0
GENERAL PLANT	10	5	0	50%	0	0	2	24%
MAINTENANCE	36	8	0	22.2%	0	0	3	10%
LABORATORY	22	4	1	18.2%	4.5%	0	1	5.5%
COMPOUND	36	24	1	66.7%	2.8%	0	2	6.7%
VINYL	32	11	2	34.4%	6.3%	0	2	7.5%
PLASTICIZER	5	2	0	40%	0	0	0	0
SUB TOTAL	156	63	4	40.4%	2.6%			
SALARIED	80	6	19	7.5%	23.8%			

APPLICATIONS	No.	%	PLANT TURNOVER	No	%
Month	0	0	Hourly Month	0	0
FYD	0	0	FYD	6	4.6%
Minority	0	0	Salaried Month	0	0
Female	0	0	FYD	5	7.5%

ADMINISTRATIVE SERVICES - D. A. Barclay

Safety

There were no reportable safety instances this month.

Quality

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

Futures

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

Statistics

Processed	Month	FY92 Y.T.D.
Processed Invoices	1,139	10,713
Working Fund Checks Written	11	165
Cost Savings Through Bid Process	$2,466.22	$30,891.98
Raw Material Purchase Orders Issued	110	995
MRO/AFE Purchase Orders Issued	163	1901
Spare Parts Purchase Orders Issued	177	1917

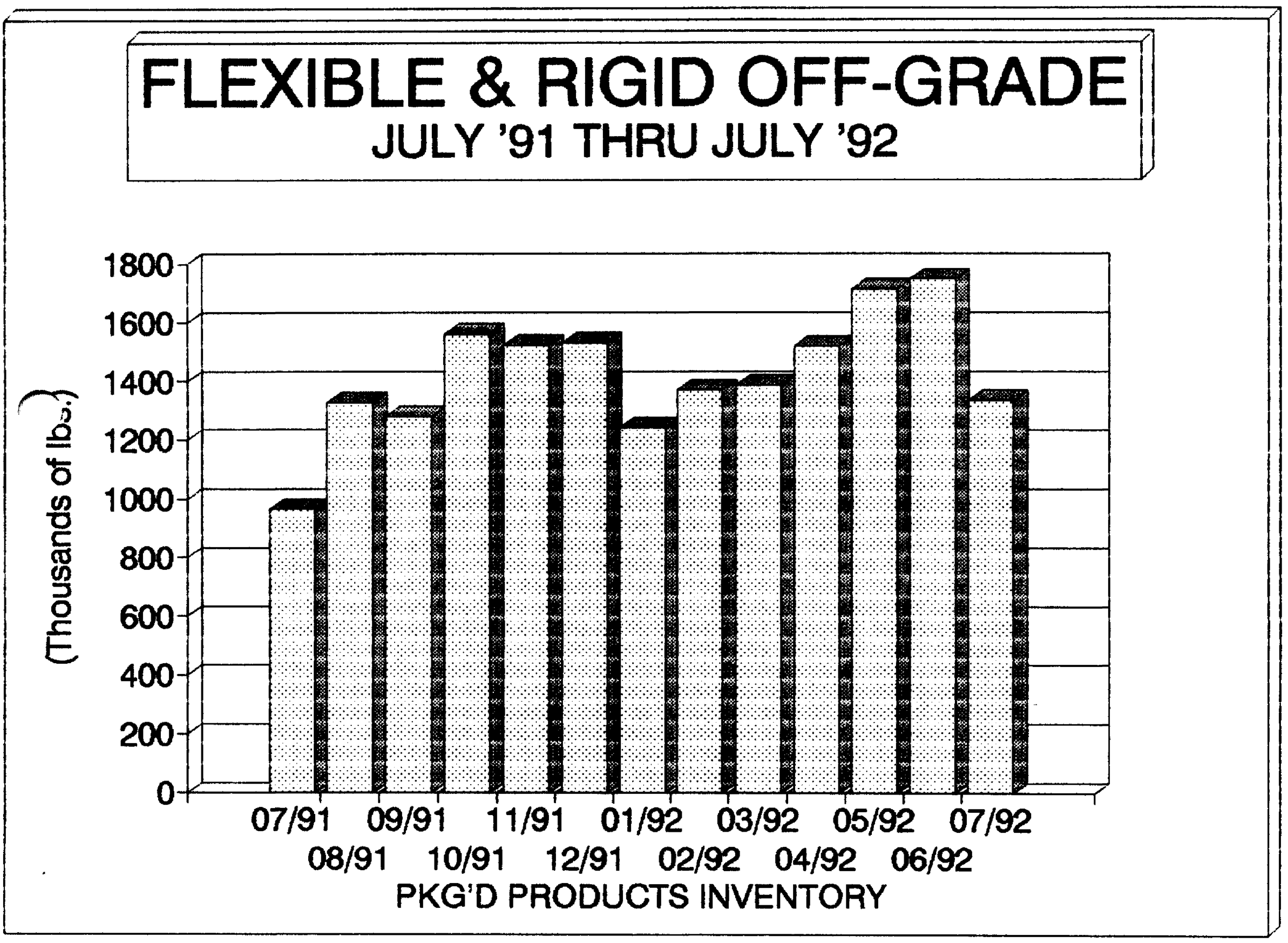
Packaged Finished Goods Ending Inventory

	June. 92	July. 92	(Decrease) /Increase	% Change
Compound "A" Grade	3,440,831	3,757,133	316,302	9.19
PLENEX	159,878	139,263	< 20,615>	<12.89>
Compound Off-Grade (BC)	463,256	402,946	< 60,310>	<13.02>
Compound Off-Grade (H)	270,429	107,117	<163,312>	<60.39>
Millscrap	341,660	155,418	<186,242>	<54.51>
Dry Blend "A" Grade	534,150	607,206	73,056	13.68
Dry Blend Offgrade	327,276	278,130	< 49,146>	<15.02>
Resin Type I	598,200	950,750	352,550	58.94
Resin Type "BC"	100	100	0	0
Vacuum Dust	210,606	192,058	< 18,548>	< 8.81>
Total Packaged W/house	6,346,386	6,590,121	243,735	3.84

Bulk Finished Goods Ending Inventory

	June.'92	July. '92	(Decrease) /Increase	% Change
Compound "A" Grade	499,675	448,765	< 50,910>	<10.19>
Compound Offgrade	0	0	0	0
Dry Blend "A" Grade	1,335,580	1,321,300	< 14,280>	< 1.07>
Dry Blend Offgrade	598,930	269,870	< 329,060>	<54.94>
Resin "A" Grade	12,588,021	9,605,310	<2,982,711>	<23.69>
Resin Offgrade	1,983,802	1,591,012	< 392,790>	<19.80>
Total	17,006,008	13,236,257	<3,769,751>	<22.17>

FLEXIBLE & RIGID OFF-GRADE
JULY '91 THRU JULY '92

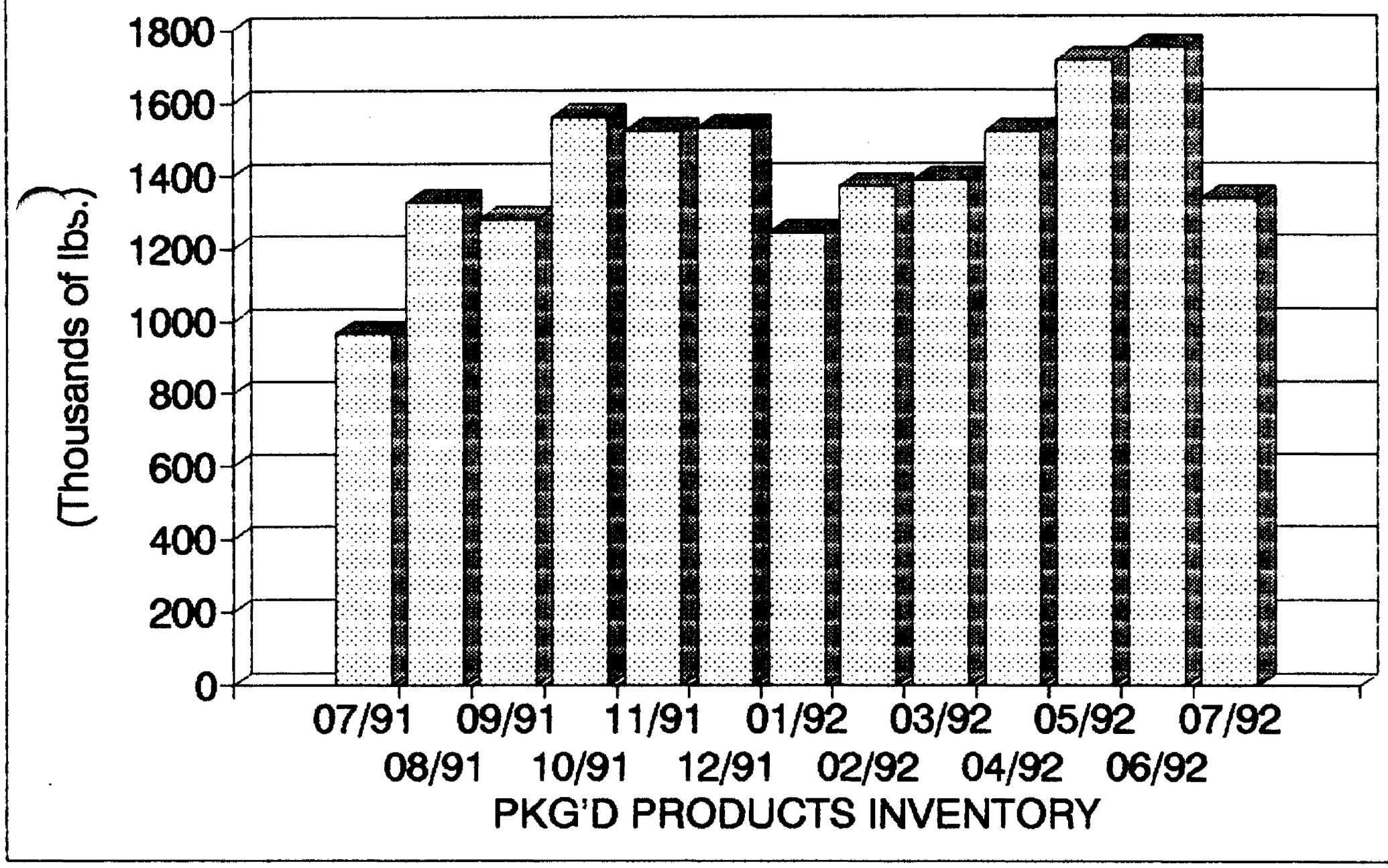


08/03/92

ABERDEEN CHEMICAL PLANT
PRODUCT RETURNS
JULY 1992

DATE	CUSTOMER	LOCATION	PRODUCT	RESOURCE	DESCRIPTION	BLEND #	CONT.	LBS	CR #	SHIPPED	ORDER #	INVOICE #	DISPOSITION/REMARKS
07/27/92	FLEXIBLE TECH	SC, ABBEVILLE	CMPD	13887	58031 WTCLR328	12V24	BOXES	4,200	02103	07/23/92	0012299-001		DAMAGED IN TRANSIT
							Sum	4,200					
07/24/92	VISTA/AT&T	AZ, PHOENIX	CMPD	10534	34862 GRY546	UTCX48075	BULK	171,450	02059	07/15/92	0011557-001		DIVERTED TO WECO, NE
							Sum	171,450					
							Sum	175,650					

FLEXIBLE & RIGID OFF-GRADE
JULY '91 THRU JULY '92



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08/03/92

ABERDEEN CHEMICAL PLANT
PRODUCT RETURNS
JULY 1992

DATE	CUSTOMER	LOCATION	PRODUCT	RESOURCE	DESCRIPTION	BLEND #	CONT.	LBS	CR #	SHIPPED	ORDER #	INVOICE #	DISPOSITION/REMARKS
07/27/92	FLEXIBLE TECH	SC, ABBEVILLE	CMPD	13887	58031 WTCLR328	12V24	BOXES	4,200	02103	07/23/92	0012299-001		DAMAGED IN TRANSIT
							Sum	4,200					
07/24/92	VISTA/AT&T	AZ, PHOENIX	CMPD	10534	34862 GRY546	UTCX48075	BULK	171,450	02059	07/15/92	0011557-001		DIVERTED TO WECO, NE
							Sum	171,450					
							Sum	175,650					

ABERDEEN CHEMICAL PLANT
SHIPPING ANALYSIS
JULY 1992

07:33 AM
11-Aug-92

-SHIPMENTS BY PRODUCTS-	MONTH PUBLIC	MONTH IPT/ITC	MONTH EXCH/TOLL	YTD PUBLIC	YTD IPT/ITC	YTD EXCH/TOLL
RESIN-BULK	13,628,509	22,267,830	0	180,731,029	176,319,510	0
RESIN-PACKAGED	515,200	308,250	0	5,129,505	3,248,700	0
FLEXIBLE COMPOUND-BULK	1,201,480	3,366,310	0	4,685,920	20,441,160	0
FLEXIBLE COMPOUND-PACKAGED	2,573,918	103,828	0	30,366,219	334,581	0
NEW BUSINESS	20,955	0	0	155,789	0	0
RIGID COMPOUND-BULK	960,980	306,100	0	11,198,860	5,533,050	0
RIGID COMPOUND-PACKAGED	711,418	0	0	4,325,357	181,850	
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	512,400	0	165,060	5,606,660	917,400
TOTAL	19,612,460	26,864,718	0	236,757,739	211,665,511	917,400

-SHIPMENTS BY MODE-

BULK:

JULY	RAILCAR	CUSTOMER PICKUP	COMMON CARRIER	TOTAL
RESIN	196	3	22	221
FLEXIBLE COMPOUND	20	0	28	48
RIGID COMPOUND	5	15	0	20
PLASTICIZER	3	0	0	3
TOTAL JULY	224	18	50	292
YTD				
RESIN	1,664	126	339	2,129
FLEXIBLE COMPOUND	118	0	114	232
RIGID COMPOUND	70	18	112	200
PLASTICIZER	34	0	16	50
TOTAL YTD	1,886	144	581	2,611

PACKAGED:

JULY	CUSTOMER PICKUP	COMMON CARRIER	TOFC	AIR/UPS	AIR/UPS	TOTAL
RESIN	1	26	0	0	0	27
FLEXIBLE COMPOUND	18	68	0	0	0	86
RIGID COMPOUND	4	11	0	0	0	15
PLASTICIZER	0	0	0	0	0	0
TOTAL JULY	23	105	0	0	0	128
YTD						
RESIN	29	241	0	0	5	275
FLEXIBLE COMPOUND	192	836	0	0	23	1,051
RIGID COMPOUND	19	120	0	0	1	140
PLASTICIZER	0	0	0	0	0	0
TOTAL YTD	240	1,197	0	0	29	1,466

CC: DAB,TLC,MAS,AEV,JRF

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

A. Safety

There were no safety incidents in the Laboratory during July.

B. Customer Contacts

Richard Williams visited the AT&T Phoenix Works to learn about 757-D compound special testing.

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

7/08 Tandy Wire, Forth Worth, TX

The customer complained of rough surface on extruded wire using 34711 Natural compound. Analysis of the bumps on the wire showed natural unpigmented compound with the same composition as the normal covering except a little harder.

7/08 Alsco, Olive Branch, MS

The customer complained of a hard-to-open bottom outlet valve on a 5385 railcar.

7/14 Chicago Magnet Wire, Elk Grove Village, IL

The customer complained of a loss of bond strength between 35851 Natural compound and copper wire. Analysis of the plasticizer showed 10% cross contamination of DIDP in TOTM in the compound.

7/14 Flexible Technologies, Abbeville, SC

The customer complained of gels in 58031 Water Clear compound in vacuum cleaner hose application. Analysis showed the lumps to be the same composition as the rigid PVC support ring in the hose.

7/14 Flexible Technologies, Abbeville, SC

The customer complained of lumps and pits in wire coating made with 46801 compound. The lumps were caused by harder pellets mixed in the compound.

LABORATORY - Continued

C. **Customer Q.C. Problem Reports and CNR's** - continued

7/14 **PVC Container, Eatontown, NJ**

The customer complained that a 5305 truck was delivered 2 1/2 hours late. The 5305 resin delivered was off color and contained foreign contamination.

7/21 **Formtech, Bogart, GA**

Shipped a box of purge material to Formtech in Stow instead of Bogart.

07/22 **Savannah Wire and Cable, Pembroke, GA**

The customer complained of out of round wire made with 35852 compound. TSL suggested some process changes to make and the problem went away.

07/22 **AT&T, Omaha, NE**

The customer complained of a sticky yellow substance in a railcar compartment of 34862 GRY 546 compound. Austin analyzed the substance and found it contained lead stabilizer and aluminum trihydrate held together with plasticizer. The most likely source is undispersed raw material.

07/25 **Vicoa, Glassport, PA**

The customer complained of a green tint to boxes of RP-34 dry blend. The "A" color value dropped slightly at the end of the production run. We are waiting for the boxed material to return for further testing and spec revision.

D. **Product Waivers Issued**

Customer	Product	Reason	No.
Ensolite	5385	Particle Size	1 R/C
Formtech	RP-91 WHT 110	Fusion Torque	1 H/T
Style Crest	RP-17 WHT 113	Color & Fusion Torque	1 R/C

LABORATORY - Continued

D. **Product Waivers Issued - continued**

Customer	Product	Reason	No.
Tandy Wire	54332 CB 50	Color	1 H/T
Vycom	RP-461 WHT 110	Color	2 H/T
Western Ag.	80273G WHT 110	Eq. Torque	1 R/C

E. **RVCM of In-Process Samples**

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

	Reactor Slurries	Dryer 5265	Dryer 5305
Number of Samples	923	23	79
Average RVCM, ppm	65	0.217	0.096

F. **RVCM of Shipment Samples**

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

Product	Number of Samples	Average RVCM, ppm
5225	0	0
5265	38	0.091
5305	103	0.071
5325	3	0.067
5385	79	0.166
5395	8	0.068
5415	75	0.041
5416	0	0
5465	4	0.013
Debox	16	0.135
Pond	1	0.030
Dry Blend	2	0.018

G. **Flexible Compound Quality Summary**

	Adjustments M Lbs.	Adjustments %	Rejections M Lbs.	Rejections (%)
Hardness	21.7	<0.32>	----	------
Color	45.0	<0.65>	15.4	<0.22>
Hard Particles	-----	------	31.3	<0.46>
Heat Stability	-----	------	6.4	<0.09>
Dicing	-----	------	4.6	<0.08>
Mischarge	-----	------	25.3	<0.37>
METS-IR	-----	------	7.6	<0.11>
Totals	66.7	<0.97>	90.6	<1.32>

LABORATORY - Continued

H. **Rigid Compound Quality Summary**

	Rejections	
	M Lbs.	<%>
Torque Rheometry	4.6	<0.27>
Torque Rheometry & Color	3.9	<0.23>
Torque Rheometry, Color & Cont.	8.4	<0.50>
Color	3.9	<0.23>
Total	20.8	<1.24>

July 1992

Resin Process Capabilities (based on dryer "regulars")

	5265	5305	5325	5385	5395	5415
Bulk Density	1.07	0.71	0.60	1.00	1.00	1.17
Inherent Viscosity	1.29	2.17	-----	0.78	0.29	0.74
(vs. 0.64 -0.67)	-0.13					
(vs. 0.715-0.744)		1.08				
"L" Color	4.80	2.92	11.00	3.89	4.11	4.44
"a" Color	4.00	2.67	4.00			
"b" Color	2.50	2.67	3.00	2.00	4.33	2.83
% on Pan	1.33	1.19	2.67	0.58	1.47	1.57
(vs. 2% max.)						0.14
% thru 140	0.76	1.81		1.02	0.75	2.63
Hard Particles, Average						
5 minutes	48	50	50	30	7	8
7 minutes	43	49	39	5	2	2
METS IR					----	3.71
(vs. 95% of Control)						1.75
Average Particle Size,						
Microns	143	152	153	165	142	176

SAMPLE SHIPMENTS
JULY 1992

RESIN

Ship Date	Product	Amount	Customer	Ship Mode
7/10/92	5395	5 lbs.	Bayshore Vinyl Compounds	UPS
	5415	5 lbs.		
7/13/92	5415	50 lbs.	M. E. Inc.	Airborne
7/16/92	5385	10 lbs.	O'Sullivan Corp.	UPS
	5395	10 lbs.		
7/22/92	5385	50 lbs.	Harcro's	Airborne
	5305	50 lbs.		
7/23/92	5415	50 lbs.	M. E. Inc.	Airborne
7/24/92	5395	3000 lbs.	North American Plastics	CC
7/30/92	5225	50 lbs.	Global Products	UPS
	5265	50 lbs.		

COMPOUND

Ship Date	Product	Amount	Customer	Ship Mode
7/08/92	6085 BLK	100 lbs.	PROCESADORA INDUSTRIAL de PLASTICOS	Airborne
7/13/92	18033 CB 50	100 lbs.	REKO Company	Airborne
7/14/92	18033 CB 50	50 lbs.	REKO Company	Airborne
7/17/92	6085 BLK	100 lbs.	H. Heller	UPS
7/27/92	48562 BLK	50 lbs.	Standard Plaque	UPS
7/27/92	39014 WHT 380	1500 lbs.	Sunbeam-Northern Co.	CC
7/29/92	35852 NAT	1500 lbs.	Southwire	CC

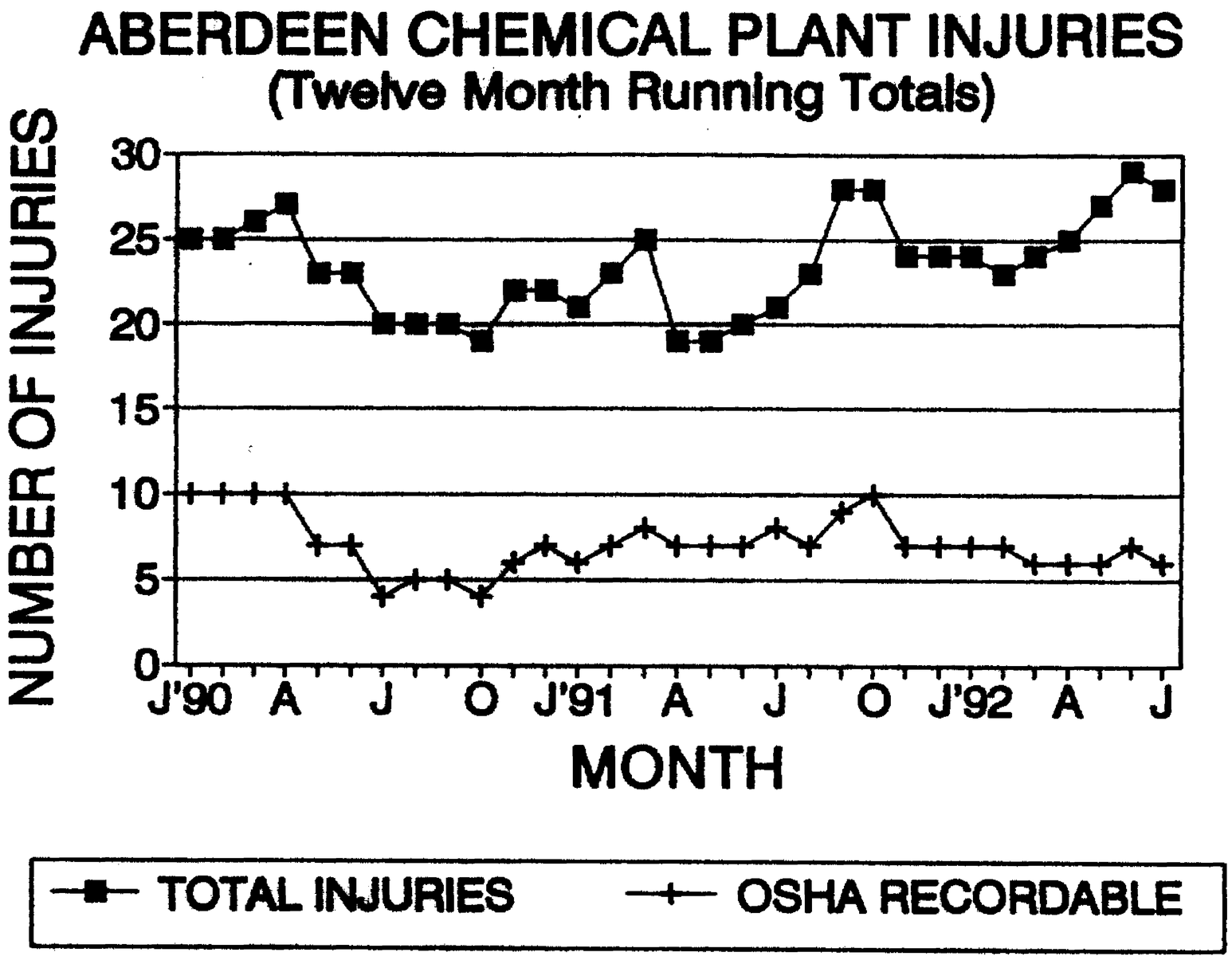
SAMPLE SHIPMENTS
JULY 1992

DRYBLEND

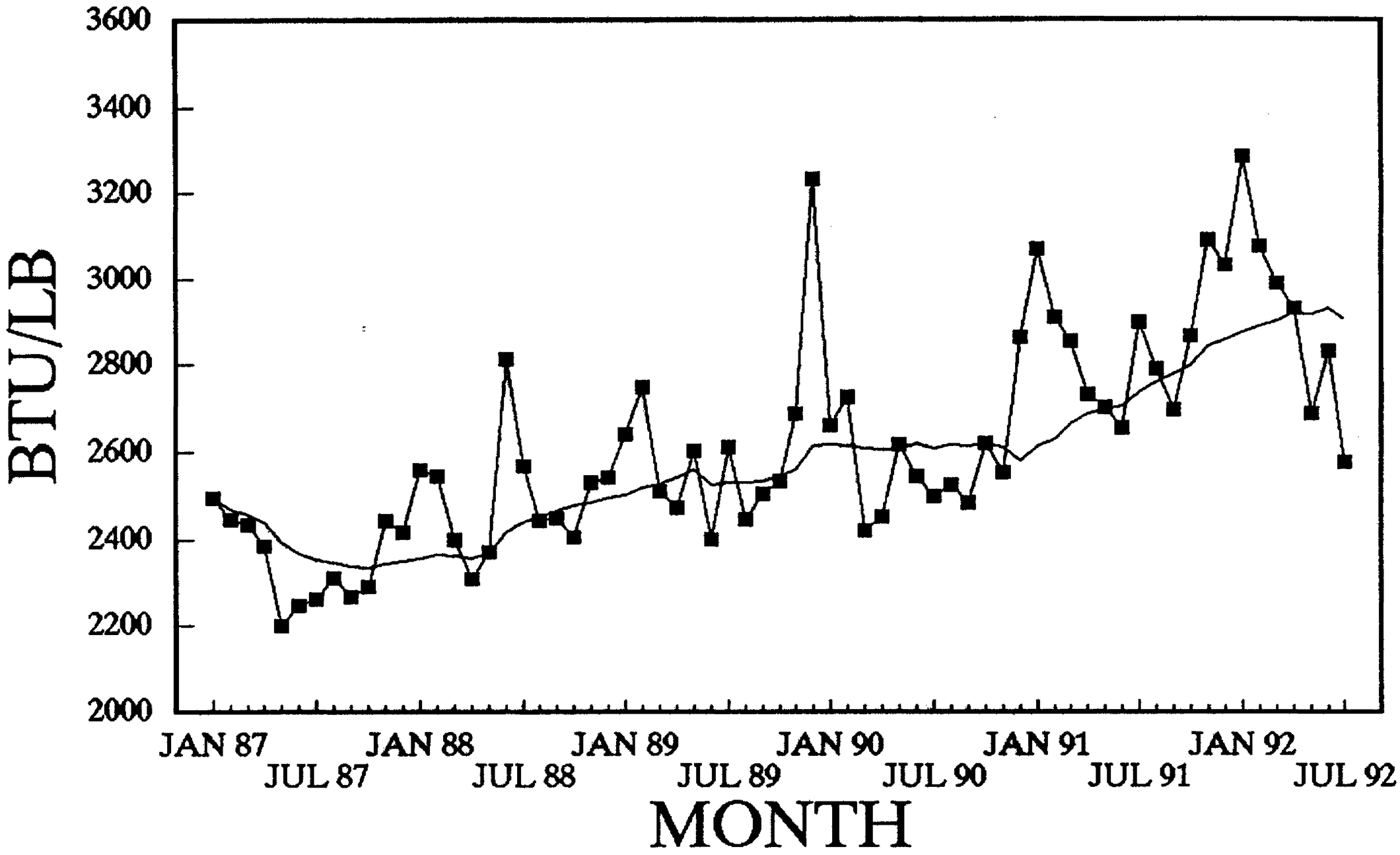
Ship Date	Product	Amount	Customer	Ship Mode
07/17/92	RP-461 WHT 110	4 X 5 lbs.	H. Heller	UPS
	RP-421/RP-442	5 lbs.		
7/21/92	378-143 Purge	100 lbs.	Formtech	Airborne
7/22/92	RP-421/RP-442	30 lbs.	H. Heller	J. Stark Pick-up
	RP-421/RP-442	20 lbs.		
	RP-461	50 lbs.		
	RP-461	20 lbs.		

MISC.

Ship Date	Product	Amount	Customer	Ship Mode
7/27/92	610-P	5 gal.	R&D - Austin	UPS
	Halbase 10EP	25 lbs.		


ABERDEEN CHEMICAL PLANT INJURIES
(Twelve Month Running Totals)
NUMBER OF INJURIES
30
25
20
15
10
5
0
J'90
A
J
O
J'91
A
J
O
J'92
A
J
MONTH
TOTAL INJURIES
OSHA RECORDABLE

ABERDEEN ENERGY EFFICIENCY
BTU/LB TOTAL PRODUCTION



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